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QUEEN'S COLLEGE, GALWAY.

FOUNDED A.D. MDCCCXLV.

CALENDAR

FOR

1906-1907.

PUBLISHED BY AUTHORITY OF THE COUNCIL.



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1907.

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Calendar.

10 TH MONTH.]	OCTOBER, 1906.	[XXXI DAYS.
1 2 3 4 5 6	Monday Tuesday Wednesday Thursday Friday Saturday	
7 8 9 10 11 12 13	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	New Charter, 1863.
14 15 16 17 18 19 20	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	College Session and First Term begin. Supplementary Examinations begin. Examinations for Scholarships of the Second and higher Years begin. Matriculation Examination begins.
21 22 23 24 25 26 27	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	Examinations for Junior Scholarships of the First Year begin.
28 29 30 31	Sunday Monday Tuesday Wednesday	COLLEGE OPENED, 1849. Examination for the "Dr. and Mrs. W. A. Browne" Scholarship begins.

11TH MONTH.]		NOVEMBER, 1906.	[XXX DAYS.
1	Thursday	ALL SAINTS. College Holiday. Lectures in Arts, Medicine, and Engineering begin.	
2	Friday		
3	Saturday		
4	Sunday	King Edward VII. born, 1841. College Holiday.	
5	Monday		
6	Tuesday		
7	Wednesday		
8	Thursday		
9	Friday		
10	Saturday		
11	Sunday	Supplemental Matriculation Examination begins.	
12	Monday		
13	Tuesday		
14	Wednesday		
15	Thursday		
16	Friday		
17	Saturday		
18	Sunday		
19	Monday		
20	Tuesday		
21	Wednesday		
22	Thursday		
23	Friday		
24	Saturday		
25	Sunday	Law Lectures begin.	
26	Monday		
27	Tuesday		
28	Wednesday		
29	Thursday		
30	Friday		

12TH MONTH.]		DECEMBER, 1906.	[XXXI DAYS.
1	Saturday	Queen Alexandra born, 1844.	
2	Sunday	Examination for Blayney Exhibition [begins.	
3	Monday		
4	Tuesday		
5	Wednesday		
6	Thursday		
7	Friday		
8	Saturday		
9	Sunday	Letters Patent appointing Professors and constituting Statutes issued, 1849.	
10	Monday		
11	Tuesday		
12	Wednesday		
13	Thursday		
14	Friday	Lectures end.	
15	Saturday		
16	Sunday	Examinations for Junior Law Scholar- [ships begin. First Term ends.	
17	Monday		
18	Tuesday		
19	Wednesday		
20	Thursday		
21	Friday		
22	Saturday		
23	Sunday	CHRISTMAS DAY.	
24	Monday		
25	Tuesday		
26	Wednesday		
27	Thursday		
28	Friday		
29	Saturday		
30	Sunday	Letters Patent Incorporating the Col- lege issued, 1845.	
31	Monday		

1ST MONTH.]		JANUARY, 1907.	[XXXI DAYS.
1	Tuesday	Second Term begins.	
2	Wednesday		
3	Thursday		
4	Friday		
5	Saturday		
6	Sunday	EPIPHANY.	
7	Monday	Lectures in Arts, Medicine, and Engineering begin.	
8	Tuesday		
9	Wednesday		
10	Thursday		
11	Friday		
12	Saturday		
13	Sunday		
14	Monday		
15	Tuesday		
16	Wednesday		
17	Thursday		
18	Friday		
19	Saturday		
20	Sunday		
21	Monday		
22	Tuesday		
23	Wednesday		
24	Thursday		
25	Friday		
26	Saturday		
27	Sunday		
28	Monday		
29	Tuesday		
30	Wednesday		
31	Thursday		

2ND MONTH.]		FEBRUARY, 1907.	[XXVIII DAYS.
1	Friday		
2	Saturday		
3	Sunday	Queen's University of Ireland dissolved, 1882.	
4	Monday		
5	Tuesday		
6	Wednesday		
7	Thursday		
8	Friday		
9	Saturday		
10	Sunday		
11	Monday		
12	Tuesday	SHROVE TUESDAY. College Holiday.	
13	Wednesday	ASH WEDNESDAY. College Holiday.	
14	Thursday	Law Lectures begin.	
15	Friday		
16	Saturday		
17	Sunday		
18	Monday		
19	Tuesday		
20	Wednesday		
21	Thursday		
22	Friday		
23	Saturday		
24	Sunday		
25	Monday		
26	Tuesday		
27	Wednesday		
28	Thursday		

3RD MONTH.]		MARCH, 1907.	[XXXI DAYS.
1	Friday		
2	Saturday		
3	Sunday		
4	Monday		
5	Tuesday		
6	Wednesday		
7	Thursday		
8	Friday		
9	Saturday		
10	Sunday		
11	Monday		
12	Tuesday		
13	Wednesday		
14	Thursday		
15	Friday		
16	Saturday		
17	Sunday	ST. PATRICK'S DAY.	
18	Monday		
19	Tuesday		
20	Wednesday		
21	Thursday		
22	Friday	Lectures end.	
23	Saturday	Second Term ends.	
24	Sunday		
25	Monday	LADY DAY.	
26	Tuesday		
27	Wednesday		
28	Thursday		
29	Friday	GOOD FRIDAY.	
30	Saturday		
31	Sunday	EASTER SUNDAY.	

4TH MONTH.]		APRIL, 1907.	[XXX DAYS.
1	Monday		
2	Tuesday		
3	Wednesday		
4	Thursday		
5	Friday		
6	Saturday		
7	Sunday		
8	Monday	Third Term begins.	
9	Tuesday	Lectures begin.	
10	Wednesday		
11	Thursday		
12	Friday		
13	Saturday		
14	Sunday		
15	Monday		
16	Tuesday		
17	Wednesday		
18	Thursday		
19	Friday		
20	Saturday		
21	Sunday		
22	Monday		
23	Tuesday		
24	Wednesday		
25	Thursday		
26	Friday		
27	Saturday		
28	Sunday	Charter of Royal University of Ireland granted, 1880.	
29	Monday		
30	Tuesday	Medical Session ends.	

5TH MONTH.]		MAY, 1907.	[XXXI DAYS.
1	Wednesday		
2	Thursday		
3	Friday		
4	Saturday		
5	Sunday		
6	Monday		
7	Tuesday		
8	Wednesday		
9	Thursday	ASCENSION DAY.	College Holiday.
10	Friday		
11	Saturday		
12	Sunday		
13	Monday		
14	Tuesday		
15	Wednesday		
16	Thursday		
17	Friday		
18	Saturday	Lectures end.	
19	Sunday		
20	Monday		
21	Tuesday		
22	Wednesday		
23	Thursday	Sessional Examinations begin.	
24	Friday	Queen Victoria <i>b.</i> 1819.	College Holiday.
25	Saturday		
26	Sunday		
27	Monday		
28	Tuesday		
29	Wednesday		
30	Thursday	CORPUS CHRISTI.	College Holiday.
31	Friday		

6TH MONTH.]		JUNE, 1907.	[XXX DAYS.
1	Saturday		
2	Sunday		
3	Monday		
4	Tuesday		
5	Wednesday		
6	Thursday		
7	Friday		
8	Saturday	Third Term ends.	End of Session.
9	Sunday		
10	Monday		
11	Tuesday		
12	Wednesday		
13	Thursday		
14	Friday		
15	Saturday		
16	Sunday		
17	Monday		
18	Tuesday		
19	Wednesday		
20	Thursday		
21	Friday		
22	Saturday		
23	Sunday		
24	Monday		
25	Tuesday		
26	Wednesday		
27	Thursday		
28	Friday		
29	Saturday		
30	Sunday		

7TH MONTH.]		JULY, 1907.	[XXXI DAYS.
1	Monday		
2	Tuesday		
3	Wednesday		
4	Thursday		
5	Friday		
6	Saturday		
7	Sunday		
8	Monday		
9	Tuesday		
10	Wednesday		
11	Thursday		
12	Friday		
13	Saturday		
14	Sunday		
15	Monday		
16	Tuesday		
17	Wednesday		
18	Thursday		
19	Friday		
20	Saturday		
21	Sunday		
22	Monday		
23	Tuesday		
24	Wednesday		
25	Thursday		
26	Friday		
27	Saturday		
28	Sunday		
29	Monday		
30	Tuesday	Colleges Act, 1845.	
31	Wednesday		

8TH MONTH.]		AUGUST, 1907.	[XXXI DAYS.
1	Thursday		
2	Friday		
3	Saturday		
4	Sunday		
5	Monday		
6	Tuesday		
7	Wednesday		
8	Thursday		
9	Friday		
10	Saturday		
11	Sunday		
12	Monday		
13	Tuesday		
14	Wednesday		
15	Thursday		
16	Friday		
17	Saturday		
18	Sunday		
19	Monday		
20	Tuesday		
21	Wednesday		
22	Thursday		
23	Friday		
24	Saturday		
25	Sunday		
26	Monday		
27	Tuesday		
28	Wednesday		
29	Thursday		
30	Friday		
31	Saturday		

9TH MONTH.]		SEPTEMBER, 1907.	[XXX DAYS.
1	Sunday		
2	Monday		
3	Tuesday		
4	Wednesday		
5	Thursday		
6	Friday		
7	Saturday		
8	Sunday		
9	Monday		
10	Tuesday		
11	Wednesday		
12	Thursday		
13	Friday		
14	Saturday		
15	Sunday		
16	Monday		
17	Tuesday		
18	Wednesday		
19	Thursday		
20	Friday		
21	Saturday		
22	Sunday		
23	Monday		
24	Tuesday		
25	Wednesday		
26	Thursday		
27	Friday		
28	Saturday		
29	Sunday		
30	Monday		

10TH MONTH.]		OCTOBER, 1907.	[XXXI DAYS.
1	Tuesday		
2	Wednesday		
3	Thursday		
4	Friday		
5	Saturday		
6	Sunday		
7	Monday		
8	Tuesday		
9	Wednesday		
10	Thursday		
11	Friday		
12	Saturday	New Charter, 1863.	
13	Sunday		
14	Monday		
15	Tuesday	College Session and First Term begin. Supplementary Examinations begin.	
16	Wednesday		
17	Thursday	Examinations for Scholarships of the Second and higher Years begin.	
18	Friday	Matriculation Examination begins.	
19	Saturday		
20	Sunday		
21	Monday	Examinations for Junior Scholarships of the First Year begin.	
22	Tuesday		
23	Wednesday		
24	Thursday		
25	Friday		
26	Saturday		
27	Sunday		
28	Monday	Examination for the "Dr. and Mrs. W. A. Browne" Scholarship begins.	
29	Tuesday	COLLEGE OPENED, 1849.	
30	Wednesday	Lectures in Arts, Medicine, and Engi- neering begin.	
31	Thursday		

11TH MONTH.]		NOVEMBER, 1907.	[XXX DAYS.	
1	Friday	ALL SAINTS. College Holiday.		
2	Saturday			
3	Sunday	King Edward VII. born, 1841. College Holiday.		
4	Monday			
5	Tuesday			
6	Wednesday			
7	Thursday			
8	Friday			
9	Saturday			
10	Sunday		Supplemental Matriculation Examination begins.	
11	Monday			
12	Tuesday			
13	Wednesday			
14	Thursday			
15	Friday			
16	Saturday			
17	Sunday			
18	Monday			
19	Tuesday			
20	Wednesday			
21	Thursday			
22	Friday			
23	Saturday			
24	Sunday	Law Lectures begin.		
25	Monday			
26	Tuesday			
27	Wednesday			
28	Thursday			
29	Friday			
30	Saturday			

12TH MONTH.]		DECEMBER, 1907.	[XXXI DAYS.
1	Sunday	Queen Alexandra born, 1844. Examination for Blayney Exhibition begins.	
2	Monday		
3	Tuesday		
4	Wednesday		
5	Thursday		
6	Friday		
7	Saturday		
8	Sunday	Letters Patent appointing Professors and constituting Statutes issued, 1849. Lectures end.	
9	Monday		
10	Tuesday		
11	Wednesday		
12	Thursday		
13	Friday		
14	Saturday		
15	Sunday	Examinations for Junior Law Scholarships begin. First Term ends.	
16	Monday		
17	Tuesday		
18	Wednesday		
19	Thursday		
20	Friday		
21	Saturday		
22	Sunday	CHRISTMAS DAY.	
23	Monday		
24	Tuesday		
25	Wednesday		
26	Thursday		
27	Friday		
28	Saturday		
29	Sunday	Letters Patent incorporating the College issued, 1845.	
30	Monday		
31	Tuesday		

NOTE.—Lectures in the Second Term begin on the 8th January, 1908.

QUEEN'S COLLEGE, GALWAY.

FOUNDED A.D. MDCCCXLV.

FOUNDATION AND CONSTITUTION.

THE Colleges of the Queen's University were founded under the provisions of the Act 8 and 9 Victoria, cap. 66, intituled "An Act to enable Her Majesty to endow new Colleges for the Advancement of Learning in Ireland." Under the powers given by this Act, it was determined to found three Colleges. Belfast, Cork, and Galway were selected as their sites; and on December 30, 1845, Letters Patent were issued incorporating them under the name and style of "THE PRESIDENT, VICE-PRESIDENT, AND PROFESSORS OF QUEEN'S COLLEGE, [BELFAST, CORK,] GALWAY."

The Colleges were opened for Students on October 30, 1849. The Presidents and Vice-Presidents of the Three Colleges constituted a Board of Government till the foundation of the Queen's University in 1850. By the University Education (Ireland) Act of 1879 provision was made for the foundation of the Royal University and the dissolution of the Queen's University, within two years from the date of the Charter of the Royal University. All Graduates and Matriculated Students of the Queen's University at the time of dissolution became Graduates and Students of the Royal University, and all existing Professors of the Queen's Colleges continued to be University Professors. The Charter of the Royal University was granted on April 27, 1880, and the Queen's University was dissolved on February 3, 1882.

COLLEGE BUILDINGS.

THE College, erected in 1848, is situated on the west side of the River Corrib, which divides its grounds from the town of Galway. It is built of cut limestone from the neighbourhood, in the form of a quadrangle. The style is Gothic of the 14th century. Over the principal entrance facing the town is a clock tower, 108 feet high. The private residences of the President and Registrar with the Examination Hall occupy the west side. The Library, over 130 feet in length, extends along the first floor of the north side. It contains upwards of 40,000 volumes in the various departments, to which constant additions are made of the most recent standard works. Beneath it are the Drawing school and Lecture rooms of the Engineering department, the Pharmacy Laboratory, the Mathematics and Modern Languages Lecture rooms. Corresponding to it on the south side is the Museum of Natural History, under which are the Laboratory, Museum, and Lecture rooms of Natural Philosophy. The Laboratories of Chemistry and of Practical Physiology with the Museums of Geology and Mineralogy and of Gynæcology, which are described under the departments to which they belong, and various Lecture rooms occupy the rest of the main buildings. The Anatomical School is situated in the north-west corner of the grounds. The Botanical Gardens, the cricket and football fields, the tennis and racquet courts are in the grounds surrounding the principal Building, as are also the Meteorological instruments, which are in charge of one of the College officers. The majority of the students reside during term in Salthill, which lies on Galway Bay, about a mile distant from the College.

SESSION 1906-1907.

THIS College is a Corporation, founded by Letters Patent under the Great Seal of Ireland, under the name and style of the "President and Professors of Queen's College, Galway."

The general government and administration of the College is vested in a Council consisting of the President and six Professors elected by the Corporate Body.

Visitors :

THE RIGHT REVEREND THE LORD BISHOP OF TUAM.

THE RIGHT HONOURABLE THE LORD CHIEF JUSTICE OF IRELAND.

THE RIGHT HONOURABLE THE EARL OF WESTMEATH.

THE RIGHT HONOURABLE LORD CLONBROCK, K.P.

THE VERY REVEREND J. H. BERNARD, D.D., Dean of St. Patrick's,
Dublin.

T. L. O'SHAUGHNESSY, ESQ., K.C., Recorder of Dublin.

W. J. M. STARKIE, ESQ., LITT.D., Resident Commissioner, Board
of National Education for Ireland.

HIS HONOUR JUDGE CRAIG, K.C.

THE MODERATOR OF THE GENERAL ASSEMBLY for the time being.

THE RIGHT HONOURABLE THE CHIEF SECRETARY TO THE LORD
LIEUTENANT OF IRELAND for the time being.

THE PRESIDENT OF THE ROYAL COLLEGE OF PHYSICIANS, IRELAND,
for the time being.

THE PRESIDENT OF THE ROYAL COLLEGE OF SURGEONS, IRELAND
for the time being.

Council, 1906-1907:

THE PRESIDENT.

PROFESSOR STEINBERGER.

PROFESSOR TRENCH.

PROFESSOR TOWNSEND.

PROFESSOR KINKEAD.

PROFESSOR SENIER.

PROFESSOR BROMWICH.

The College Staff is composed as follows :—

President :

ALEXANDER ANDERSON, M.A. (CAMBRIDGE and R.U.I.); Hon. LL.D. (GLASGOW); late Fellow of Sidney Sussex College, Cambridge; Member of the Senate of the Royal University of Ireland.

Professors :

Greek—

R. KNOX M'ELDERRY, M.A. (CAMBRIDGE and R.U.I.); late Fellow of St. John's College, Cambridge; Fellow, and late Junior Fellow, R.U.I.

Latin—

CHARLES EXON, M.A. (DUBLIN).

Mathematics—

T. J. I'A. BROMWICH, M.A. (CAMBRIDGE), F.R.S., F.R.U.I.; late Fellow of St. John's College, Cambridge.

Natural Philosophy—

THE PRESIDENT.

History, English Literature, and Mental Science—

W. FITZJOHN TRENCH, M.A. (DUBLIN), M.R.I.A.; Examiner, R.U.I.

Chemistry—

ALFRED SENIER, PH.D. (BERLIN).

Natural History, Mineralogy, and Geology—

RICHARD J. ANDERSON, M.A., M.D. (R.U.I.), M.R.C.S. (ENGLAND); Examiner, R.U.I.

Modern Languages—

VALENTINE STEINBERGER, M.A. (R.U.I.), F.R.U.I.

Jurisprudence and Political Economy—

JOHN H. WARDELL, M.A. (DUBLIN); Erasmus Smith's Professor of Modern History in the University of Dublin.

English Law—

WILLIAM B. CAMPION, B.A. (DUBLIN), First Serjeant-at-Law.

Anatomy and Physiology—

JOSEPH P. PYE, M.D., M.CH., HON. D.SC. (R.U.I.), MED. F.R.U.I.

Practice of Medicine—

JOHN ISAAC LYNHAM, M.D., M.CH., M.A.O. (R.U.I.), MED. F.R.U.I.

Practice of Surgery—

WILLIAM W. BRERETON, L.R.C.S.I., M.R.C.P.I.

Materia Medica and Pharmacy—

NICHOLAS W. COLAHAN, M.D., M.CH. (R.U.I.).

Midwifery—

RICHARD JOHN KINKEAD, B.A., M.D. (DUBLIN), L.R.C.S.I.

Civil Engineering—

EDWARD TOWNSEND, M.A. (DUBLIN), HON. D.SC. (R.U.I.),
Examiner, R.U.I.

(The above compose the Corporate Body.)

Office-Bearers:

Registrar,	PROFESSOR TOWNSEND.
Bursar,	PROFESSOR LYNHAM.
Librarian,	PROFESSOR STEINBERGER.

Deans of Residents:

General Assembly of the Presbyterian Church in Ireland—

REV. J. COURTENAY CLARKE, D.D.

Church of Ireland—

REV. JAMES F. BERRY, B.D.

Methodist Church—

REV. GABRIEL J. SPENCE.

Lecturers, Demonstrators, and Assistants, 1906-1907:

Lecturers in Medical Jurisprudence—

PROFESSOR KINKEAD.

PROFESSOR SENIER.

Lecturer in Clinical Fever—

PROFESSOR COLAHAN.

Lecturer in Pathology—

ROBERT J. ROWLETTE, B.A., M.D. (DUBLIN).

Lecturer in Electrical Engineering—

WILLIAM G. GRIFFITH, A.M.I.E.E.

Lecturers, etc., 1906-1907, continued:—**Senior Scholar, Lecturer and Demonstrator in Anatomy—**

EDWARD DOWLING, B.A.

Senior Scholar in Mathematics*—

JOHN E. BOWEN, B.A.

Demonstrator in Natural Philosophy—

ARTHUR J. W. COMPTON, B.A.

Demonstrator in Chemistry—

ARTHUR J. W. COMPTON, B.A.

Lecturer in Celtic—

STEPHEN J. M'DONAGH, B.A.

Senior Scholar in Natural History*—

FREDERICK J. BALL, B.A.

Assistant in Modern Languages—

JANET H. PERRY, B.A.

Assistant in Practical Physiology—

THOMAS WALSH, B.A., M.B., B.C.H., B.A.O.

Assistant in Pharmacy—

MICHAEL J. MULLIGAN.

Senior Scholar in Engineering*—

ALICE J. PERRY, B.E.

* These Senior Scholars act as Assistants and Demonstrators to the respective Professors.

THE COLLEGE SESSION.

The College Session begins on the third Tuesday in October, and, in the Faculty of Arts and the School of Engineering, continues until the second Saturday in June; it is divided into three Terms.

The First Term of the Session 1906-1907 begins on October 16, and ends on December 20, 1906.

The Second Term begins on January 4, and ends on March 23, 1907.

The Third Term begins on April 8, and ends on June 8, 1907.

In the Faculty of Law the Session ends on March 23, 1907.

In the Faculty of Medicine the Session ends on April 30, 1907.



LECTURES.

Lectures in Arts, Medicine, and Engineering begin :—

In the First Term on November 2, 1906.

In the Second Term on January 8, 1907.

In the Third Term on April 9, 1907.

Lectures in Law begin :—

In the First Term on November 29, 1906.

In the Second Term on February 25, 1907.



REGISTRAR'S AND BURSAR'S OFFICES.

College Clerk, JAMES M'CLELLAND.

The Offices of the Registrar and of the Bursar are open on week days during Session from 10 a.m. to 4 p.m., for the receipt of Fees, and transaction of other business. During the Summer Vacation the Offices are open from 10 a.m. to 2 p.m.

GENERAL REGULATIONS.

I.—ADMISSION TO THE COLLEGE.

All Students seeking admission to this College, after having complied with the requirements set forth below, shall present themselves before the Council or President and sign the Roll: they are thereby admitted:—

- (1) Matriculated Students,
or (2) Ad-Eundem Students,
or (3) Non-Matriculated Students,

of the College, as the case may be.

All Students must also appear in the Registrar's Office for the purpose of having their names entered on the Register: this may take place before or after their admission.

MATRICULATED STUDENTS.

Any Student who has passed the Entrance Examination of this College, on signing the Roll will be admitted to Matriculation.

The Entrance Examination will be held at the beginning of each Session. In the Session 1906-7, it begins on Friday, October 19, at 10 a.m.; and an additional examination on Friday, November 12.

Before the examination, every candidate must pay to the Bursar the College fee of ten shillings: this fee will not be returned to Students who fail to pass the examination; but such students may present themselves at any subsequent Entrance Examination in the same year without additional payment.

Any Student who has passed the Entrance Examination of either of the other Queen's Colleges, Belfast or Cork, or of any University within the United Kingdom capable of granting Degrees, will also, on signing the Roll, be admitted to Matriculation.

All students claiming this privilege must

- (1) lodge their certificates with the Registrar for submission to the Council,
- (2) pay their College Fees.

A certificate of Matriculation will not be granted to any Student until he has paid the whole of the Class Fees for the Session, and commenced attendance on Lectures.

“Every Matriculated Student shall obey the Statutes of the College, conform to all Decrees and other Regulations made by the authorities of the College for the maintenance of discipline and good conduct, and assist the College authorities in enforcing the same.”—*Statutes.*

Every Matriculated Student is required to wear a cap and gown.

AD-EUNDEM STUDENTS.

The Council will admit to corresponding rank in this College any Student who has pursued part of his Collegiate Studies in any one of the Queen's Colleges, or in any University capable of granting Degrees in Arts, Law, Medicine, and Engineering, or a Student of any School of Law, Medicine, or Engineering, recognized by the Council, provided that he passes such Examinations, and fulfils such other conditions as the Council shall prescribe; and he may then compete for Junior Scholarships or other Prizes of the corresponding year: provided he shall not hold at the same time a Scholarship or other office of emolument in any other University, College, or Medical School.

NON-MATRICULATED STUDENTS.

The Council will admit Non-Matriculated Students, without preliminary examination, to attend any Course or Courses of Lectures. They are required to pay to the Bursar the Fees for the Classes they propose to attend, and a College Fee of ten shillings, and to sign an engagement to observe order and discipline in the College. They are not entitled to compete for Scholarships or other Collegiate distinctions.

During the term of their attendance on College Lectures Non-Matriculated Students are admitted to read in the Library, and are permitted to take out books on loan under the same regulations as Matriculated Students.

ADMISSION OF WOMEN.

Women may attend the Lectures of the Professors, and present themselves at the College Examinations. All Scholarships and Prizes are open to Students of either sex.

A separate room in the College is reserved exclusively for the use of Women Students.

II.—STUDENTS' FEES.

To be paid to Bursar at commencement of First Term.

COLLEGE FEE.

	£	s.	d.
For each and every year, including Matriculation Fee,	0	10	0

CLASS FEES.

Pass Courses—

For each Course,	2	0	0
Re-attendance on same,	1	0	0

Except for the following :—

Practical Physics (Second and Third Terms),	2	0	0
Practical Chemistry,	3	0	0
Practical Chemistry (Post-Graduate and Six Months Honour Courses),	5	0	0
*Practical Biology (3 months),	2	0	0
†Practical Biology (3rd Year),	2	0	0
Anatomy and Physiology (First Course),	3	0	0
First Re-attendance on Physiology (by Junior Students),	2	0	0
Practical Anatomy,	3	0	0
‡Practical Physiology,	2	0	0
‡Practical Histology,	2	0	0
Practical Anatomy (Post-Graduate and Six Months Honour Courses),	5	0	0
Practical Physiology (Post-Graduate and Six Months Honour Courses),	5	0	0
Medical Jurisprudence,	2	0	0
Pathology,	2	0	0

Honour Courses—

In all subjects of the 1st and 2nd Years,	2	0	0
§ In all subjects of the 3rd Year,	3	0	0
|| Post-Graduate Courses in all subjects,	4	0	0

SCHOLARS.

Junior Scholars are exempted from the payment of one-half of the Class Fees for *Pass Courses*, prescribed to Students of their Faculty and standing, when attended for first time.

* Students of Natural History are admitted to the Practical Biology Class on payment of £1. Additional Attendances, £1 per month.

† Botany (3rd Year), £2. Zoology, £2. Conjoint Fee, £3. Third Year, Practical Botany (3 months), £3. Botany and Practical Botany (Honour), £3. Third Year, Zoology and Practical Zoology (3 months, Honour), £3.

‡ Conjoint Fee, £3.

§ Except in Jurisprudence and Political Economy, in which the fees are £2 each.

|| The Professors may, at their discretion, decline to deliver such courses.

III.—ATTENDANCE ON LECTURES.

All Matriculated Students are required to attend Lectures in Academical Costume.

No Student shall be admitted to Lectures until he has paid his College and Class Fees to the Bursar, and entered his name with the Registrar.

Attendance on Lectures includes preparation for Lectures; and a Professor, who on any occasion is not satisfied with the preparation of a Student, may refuse him credit for attendance.

In cases where Students pass from the Faculty of Arts to a different Faculty or School, they are exempted from re-attendance upon such Courses in Arts as they have already attended, which would otherwise be necessary for keeping the Academic year.

In cases of absence arising from illness, or other unavoidable cause, the Student is required, on resuming attendance, to lodge with the Registrar a letter or certificate explaining his absence, to be laid before the Council.

To obtain credit for attendance on any Course of Lectures for a Session a student must have attended at least **three-fourths** of the number of Lectures delivered.

IV.—LIBRARY.

Librarian—PROFESSOR STEINBERGER.

Clerk—THOMAS CARTER.

ORDERS OF COUNCIL.

(I.) GENERAL.

The Library shall be opened and closed as follows:—

OPEN.

March 1 to June 30, from 10 a.m. to 5 p.m.

August 1 to September 30, from 11 a.m. to 3 p.m.

*October 1 to February 28, from 10 a.m. to 4 p.m.

CLOSED.

During July, a week at Christmas and at Easter, and on College holidays.

The Librarian shall enter the name of every new book in the Departmental Catalogue.

No book shall be issued, placed in the Professors' Room, or taken away by a Professor or Officer, until the name of the book shall have been entered in the Catalogue, the book

* On Saturdays the Library will be closed at 2 p.m., during this part of the year.

itself shall have been stamped, and its place in the Library shall have been marked on it.

Dictionaries, general works of reference, Cyclopædias arranged in alphabetical order, works the chief value of which consists in plates and embellishments, and such books as the Library Committee shall enumerate, shall be issued only by special permission of the Librarian.

The Librarian shall each day examine the recall book, and call in all books therein required.

If a book be not brought back when due or when required, the Librarian shall write to demand its immediate return, and if the demand be not complied with, he shall report the same to the Council.

The Librarian shall call in all books towards the close of the Second or Third Term ; and shall report to the Council the names of all persons in default.

Every book brought back to the Library shall be set aside by the Librarian's Clerk, until it shall have been inspected by the Librarian, and the said book shall not be re-issued (unless to the same borrower) until it shall have been so inspected.

The Librarian shall inspect each book returned, if not re-issued to the same borrower.

In case of a book or books being lost or injured, the Library Committee shall estimate the cost of such loss or injury, and the borrower shall pay same : or the amount may be deducted from the deposit lodged with the Bursar. The privilege of borrowing shall cease until the loss has been made good, or the deposit made up to the full amount.

No books shall be ordered except through the Librarian.

The Professors' room shall be kept strictly private.

(II.) ISSUING OF BOOKS.

No one shall borrow any book from the Library without first delivering a note for it to the Librarian or his Clerk signed by the borrower, and specifying, in the borrower's handwriting, the title of the book (the author, the department to which it belongs) and the date on which it is borrowed.

The Librarian or his Clerk shall compare the notes delivered for books borrowed with the books themselves, before they are taken away, and shall keep all such notes until the books to which they refer are brought back to the Library. When all the books specified in any note are brought back, the note shall be delivered up to the person by whom they are brought ; when only some of the books specified are returned, their titles shall be crossed out on the note at the time, the borrower

To Professors and Office-Bearers.

A Professor may borrow whatever books from his own department he may require for the working of the same.

A Professor or Officer of the College may borrow books from any department other than his own, provided that the number of such volumes in his possession at any one time do not exceed twenty; each volume to be returned within one month.

A Professor or Officer of the College requiring a larger number of books for any special purpose, shall make application on each occasion for the same to the Library Committee, stating fully the grounds on which he requires them.

A Professor or Officer requiring a book which is out may enter its name in a recall book to be kept for that purpose in the Professors' Room, and on its return shall have priority.

A Professor may, through the Librarian, call in any book lent from his department: and such book shall immediately be returned to the Library by the borrower.

The last number of any periodical shall not be removed from the Professors' Room until after the time limited by the posted notice, and the Librarian shall report to the Library Committee every infringement of this rule.

To Students.

No Student shall be admitted to the Library, except in full academical costume.

No Student shall be allowed to read in, or borrow books from, the Library until he shall have subscribed the following declaration:—

“I, the undersigned, do hereby promise to the President and Council of Queen's College, Galway, that I will not mark, turn down the leaves of, or write on paper placed upon, or in any way whatsoever soil, deface, injure, or remove without permission, any book or document in the Library of said College. I also promise that I will not injure the Library furniture: that I will faithfully observe all the rules made for the regulation of the Library; and that I will acquaint the College Authorities with any serious instance of violation of the said rules which may come under my notice.”

A Student, after depositing with the Bursar £1, may borrow three volumes, or on depositing £2, six volumes, at a time.

A Scholar can comply with this rule by giving the Bursar an order on his Scholarship for the amount of the deposit.

On the production, by a Student, of a certificate from the Librarian that all books borrowed by him from the Library have been returned uninjured, the Bursar shall, at the end of the term, repay the deposit.

The Library Committee may grant special permission to a Senior Scholar to borrow more books than the number of

volumes specified in these rules, application for this privilege to contain the names of the books required, and to be countersigned by the Professor of the Department.

Demonstrators of Anatomy, Chemistry, and Physics, and Assistants in Mathematics and Engineering are allowed the same privileges in the Library as those granted to Senior Scholars.

A Student shall not retain a book borrowed from the Library longer than one fortnight; but on returning it, may renew the loan, if it has not been in the meantime applied for.

On receiving at any time notice from the Librarian, a Student shall return within 48 hours any books borrowed from the Library. On failure to comply with this rule he incurs a penalty of sixpence per volume for each day the book or books are retained, until the amount of fine equals the deposit.

To others than Professors or Students.

Any person resident in County Galway may, by permission of the Council or of the Librarian, obtain the privilege of borrowing books from the Library.

Each person on obtaining such permission, shall deposit the sum of at least £1 with the Bursar, which shall be refunded when he ceases to avail himself of the privilege, on presenting a certificate from the Librarian that all books borrowed by him have been returned uninjured.

No person may have more than two volumes on loan from the Library at the same time, and in no case shall the value of the book exceed the deposit.

The borrower may not retain a book for longer than a fortnight, but may, on returning it, renew the loan if the book has not in the meantime been applied for.

Books shall not be issued to persons other than Professors, Office-Bearers, or Students, except between 12 and 3 p.m. on Wednesdays and Saturdays.

V.—SESSIONAL EXAMINATIONS.

An Examination is held at the close of the Session in the subjects upon which Lectures have been delivered. Any Professor may, with the sanction of the Council, conduct the Sessional Examinations in any of his Classes by means of Term Examinations. Notice of this method shall be given to the Class at the beginning of the Session. Prizes may be awarded for distinguished answering in these Examinations; but no prize can be obtained by a student who fails in any of the subjects prescribed. Students to whom prizes are awarded

must order their books through the Bursar's Office before February 1 in the following year, otherwise their prizes will be forfeited.

A Supplementary Examination in the same subjects is held at the commencement of the following Session. Candidates intending to present themselves at the Supplementary Examination must give a fortnight's notice to the Registrar.

No Student is admitted to the Sessional or Supplementary Examination who has not attended at least **three-fourths** of the Lectures delivered in the prescribed Courses.

Every Matriculated Student in Arts, Law, and Engineering, must attend the Courses of Lectures prescribed to Students of his class and standing, and must pass either the Sessional or the Supplementary Examination, before his name can be entered on the College Register as having completed the Session.

The Sessional Examination, completing a course of lectures, may be passed (except for the retention of Scholarships or Exhibitions) by passing the corresponding Examination of the Royal University in the same year, in so far as this Examination includes the subjects of the lectures.

VI.—SCHOLARSHIPS.

No Student can compete for a Scholarship in any Course substantially the same as, or included in, one in which he has already held a Scholarship or Exhibition in this College, or in either of the other Queen's Colleges.

No Scholarship will be awarded to a Candidate who is not, in the opinion of the Examiners, sufficiently qualified in the prescribed Course.

A.—SENIOR SCHOLARSHIPS.

Extract from the College Statutes:—

“Eight Senior Scholarships shall be founded of the value of £40 each, tenable by Matriculated Students who shall have, during three College Sessions, of which two at least shall have been attended in Queen's College, Galway, attended such courses of lectures and passed such examinations as shall be prescribed in that behalf by the Council of Queen's College, Galway, and who shall have passed the necessary examination within five years from the date of Matriculation, and who shall have complied with such further conditions as the Council shall impose; and such

Senior Scholarships shall be conferred and retained under such regulations as the Council shall prescribe."

Candidates for Senior Scholarships must have attended in this College Courses recommended to Students for **three** College Sessions, and passed the Class Examinations corresponding to these Courses; or they must have attended in this College Courses recommended to Students for **two** College Sessions and passed the Class Examinations corresponding to these Courses, and further produce evidence that, during the Session which they have omitted in this College, they have attended Lectures in some University or College recognized by the Council.

Of these Scholarships one is awarded for proficiency in each of the following departments:—

- | | | |
|----------------------------------|---|--|
| 1. Ancient Classics. | } | 5. Metaphysics, Political Science,
and History. |
| 2. English and Modern Languages. | | 6. Chemistry. |
| 3. Mathematics. | | 7. Natural History. |
| 4. Natural Philosophy. | | 8. Engineering. |

In addition to the eight Statutory Scholarships, one Senior Scholarship in *Anatomy and Physiology*, value £40, will be offered by the Council for competition at the beginning of the Session 1906-1907, tenable for one year by a Student who shall have attended the Medical School of this College for at least **two** Sessions, and shall have obtained a University Degree in Arts or Medicine, or a Diploma in Medicine from a Licensing Body. The Senior Scholar shall act as Demonstrator, if appointed, and shall assist the Professor in such way as the Council shall prescribe.

All the Senior Scholarships are awarded by examination; they are tenable for one year only; and no Student who has already held a Senior Scholarship (in this College or in either of the other Queen's Colleges) can again become a candidate for a Senior Scholarship in the same department.

All Senior Scholars are required to be in attendance in the College during the tenure of their Scholarships, and to assist the Professors in such ways and under such regulations as the Council shall prescribe.

Senior Scholars, except in *Engineering* and *Anatomy and Physiology*, who have not taken the Degree of B.A., shall attend the Courses prescribed for the Third Year in Arts.

Senior Scholars in *Engineering* who have not taken the Degree of B.E., shall attend the Courses prescribed for the Students in *Engineering* of the Third Year.

Senior Scholars not assisting the Professor must attend at least one Honour Course of three Terms.

For the dates of the Examinations, see pages 22, 23. For the Courses in the various branches, see pages 57-60, 80, 87.

B.—JUNIOR SCHOLARSHIPS.

The Council is empowered to award Forty-five Junior Scholarships, tenable for one Session, which are allocated as follows:—

- (a) In the FACULTY OF ARTS, thirty (value £24 each).
- (b) In the FACULTY OF LAW, two (value £25 each).
- (c) In the FACULTY OF MEDICINE, eight (value £25 each).
- (d) In the SCHOOL OF ENGINEERING, five (value £20 each).

(a) Of the thirty Junior Scholarships assigned to the FACULTY OF ARTS, ten—five Literary and five Science*†—are tenable by Students of each of the first three years.

For Courses, see pages 50-57.

(b) Of the two Junior Scholarships assigned to the FACULTY OF LAW, one is tenable by a Student of the First Year, one by a Student of the Second Year.

For Courses, see page 62.

(c) Of the eight Junior Scholarships assigned to the FACULTY OF MEDICINE, two are tenable by Students of each of the first four years.

For Courses, see pages 76-80.

(d) Of the five Junior Scholarships assigned to the SCHOOL OF ENGINEERING,† two are tenable by Students of the First Year, two by Students of the Second Year, and one by a Student of the Third Year.

For Courses, see page 87.

Junior Scholars in any Faculty are exempted from the payment of one half of the Class Fees for the *Pass Courses* prescribed to Students of their faculty and standing. (See pages 29, 30, 61, 65, and 81).

The Examinations for Junior Scholarships are held at the beginning of the first term of the Session.

* The Council may withhold Scholarships in either department on the ground of insufficient answering, and may assign Scholarships so withheld to the other department.

† If a Candidate be placed *first* in the order of merit in *both* departments, he is entitled to two Junior Scholarships, but in no other case can the same person hold two Scholarships simultaneously.

† Candidates for Junior Scholarships of the First Year in Arts or Engineering must declare which they intend to compete for, as competition for both is inadmissible.

No Student can compete for any Scholarship until—

- (a) He has been admitted by the Council or President.*
- (b) He has paid the College and Class Fees.
- (c) He has entered his name with the Registrar.
- (d) He has (except when a candidate for a Junior Scholarship of the First Year) completed the course of the previous year in any one of the Queen's Colleges, or in any University capable of granting Degrees.

Scholars failing to attend the prescribed Courses of Lectures, and to pass the Sessional Examinations, vacate their Scholarships. Students attending Honour Lectures must pass the Sessional Examinations in the subjects of such Lectures.

For the days and hours of examination for these Scholarships see pages 22–24.

C.—THE “DR. AND MRS. W. A. BROWNE” SCHOLARSHIP.

AN Examination for a Scholarship of the yearly value of about £32, founded and endowed by Dr. W. A. Browne, on behalf of and in memory of his wife Caroline Charlotte Browne, F.Z.S., is held early in the First Term of each year. Intending Candidates must give notice to the Registrar on or before October 19.

The Scholarship is awarded for proficiency in the French and German languages, a competent colloquial knowledge of both languages being required.

It is open to any Matriculated Student of this College, of either sex, who is a natural born subject of His Majesty, if not more than two years have elapsed from the 1st of January following his, or her, Matriculation.

The Scholarship shall be held for one Session only; but the successful candidate, if otherwise qualified, may compete in succeeding Sessions, provided that no Student shall hold the Scholarship more than three times.

The Scholar, during the tenure of the Scholarship, shall attend the lectures prescribed to Students of his, or her, faculty and standing, and shall pursue Honour Courses in French and German Literature in this College, and shall qualify for a Sessional Prize in these subjects.

The Scholarship may be held along with any other Scholarship.

One-half of the Scholarship will be paid in January, and

* Students who propose to enter the College as Matriculated or as Ad-Eundem Students may present themselves at the Scholarship Examinations before their admission, provided (i) that they have paid the stated fees; and (ii) that they have either lodged the requisite certificates with the Registrar (see pp. 8, 9) or have satisfied the Registrar that they have been bona fide Candidates at the Current Autumn Matriculation.

one-half in the following July, provided the holder shall have satisfied the conditions stated above.

The Council retains the power of withholding the whole or of awarding only a portion of the Scholarship, if sufficient merit be not shown. In case the whole or part of the Scholarship be not expended in any year, the Council shall apply the money so accruing to the purpose of giving an additional Scholarship in the next or following years, in the same subjects and under the same regulations.

Scholars.

1899-1900,*	. . .	Steinberger, Cecile Lucy Marian.
1900-1901,	. . .	Steinberger, Cecile Lucy Marian.
1901-1902,	. . .	Steinberger, Cecile Lucy Marian.
1902-1903,	. . .	Minnis, Samuel.
1903-1904,†	. . .	Steinberger, Lilian Blanche.
1904-1905,	. . .	Steinberger, Lilian Blanche.
1905-1906,	. . .	Steinberger, Lilian Blanche.
1906-1907,	. . .	Anderson, Elizabeth.

Donovan, Mary J. (Additional Scholarship).

D.—RESEARCH SCHOLARSHIP.

A Research Scholarship in Science (value £150 per annum, tenable for two years, subject to a satisfactory report at the end of the first year) has been offered by the Royal Commission for the 1851 Exhibition, to students of science of at least three years' standing who have been recommended by the authorities of this College. For information respecting the nomination for 1907-1908 given to this College by the Royal Commission, application may be made to the Registrar.

1892-93,	. . .	Gannon, William, M.A.
[1893-94,	. . .	Gannon, William, M.A.‡]
1894-95,	. . .	M'Clelland, John A., M.A.
1895-96,	. . .	M'Clelland, John A., M.A.
1896-97,	. . .	Henry, John, M.A., B.E.
1897-98,	. . .	Henry, John, M.A., B.E.
1898-99,	. . .	Ryan, Hugh, M.A.
[1899-1900,	. . .	Ryan, Hugh, M.A., D.Sc.§]
1900-1901,	. . .	Mills, William S., M.A., D.Sc.
1901-1902,	. . .	Mills, William S., M.A., D.Sc.
[1902-1903,	. . .	Mills, William S., M.A., D.Sc.||]
1902-1903,	. . .	Goodwin, William, B.Sc., Ph.D.
1903-1904,	. . .	Goodwin, William, B.Sc., Ph.D.
1905-1906,	. . .	Clarke, Rosalind, B.A.
1906-1907,	. . .	Clarke, Rosalind, B.A.

* The answering of Edward H. M'Grath was very favourably reported on by the Examiner.

† The answering of Janet H. Perry was highly commended by the Examiner.

‡ Resigned Scholarship on being appointed to Lectureship in the Owens College, Manchester.

§ Resigned on being appointed Professor of Chemistry in the Catholic University School of Medicine, Dublin.

|| Resigned on being appointed Kodak Company's Research Assistant to Professor Senior.

VII.—EXHIBITIONS.

The Council may award Exhibitions, tenable for one Session, to Matriculated Students at the Examinations for Junior Scholarships.

No Student is allowed to compete for an Exhibition in any Course substantially the same as that in which he has already held a Scholarship or Exhibition.

Exhibitioners failing to attend the prescribed Courses of Lectures, and to pass the Sessional Examinations, forfeit their Exhibitions.

 THE BLAYNEY EXHIBITION.

An Examination for one Exhibition, value about £30, in connection with the Blayney Bequest, is held in the month of December of each year, on the following conditions:—

1. No Candidate is eligible if more than two and a half years have elapsed from the date of his Matriculation in this College to the time of the Examination.

2. The Holder of the Exhibition must attend Honour Classes, as required by the Council in this College, during the Session in which he shall have obtained the Exhibition; he must pass the College Sessional Examinations at the close of the same Session, and he must qualify for First Class Prizes at these Examinations in the subjects in which he shall have obtained the Exhibition.

3. The Council retain the power of withholding, or of awarding only a portion of the Exhibition.

4. The Blayney Exhibition may be held along with any Scholarship.

5. One-half of the Exhibition will be paid in January, and one-half in the following month of July, provided the Holder shall have satisfied the conditions stated above.

The Exhibition is awarded in alternate years for Classical and Scientific merit, respectively. In 1906 the Course is Classics as follows:—

1. Composition in Greek and Latin Prose.
2. Higher Grammar and Philology (Giles' *Manual of Comparative Philology*, and Lindsay's *Short Historical Latin Grammar*).
3. Translation of unprescribed passages of Greek and Latin.

4. The following Authors :—

Greek—Aeschylus, *Eumenides*; Aristophanes, *Frogs*; Thucydides v.

Latin—Plautus, *Trinummus*; Cicero, *Correspondence*, edited by Tyrrell and Purser, Vol. i., Parts 1 and 2.

The Examination begins on Monday, December 3, 1906. Intending Candidates must give in their names to the Registrar a fortnight before this date.

The Course for 1907 will be found on p. 90.

BLAYNEY EXHIBITIONERS.

1890 (<i>Classics</i>),	.	.	.	Mahon, John S.
1891 (<i>Science</i>),	.	.	.	M'Clelland, John A.
1892 (<i>Classics</i>),	.	.	.	M'Gregor, William.
1893 (<i>Science</i>),	.	.	.	None awarded.
1894 (<i>Classics</i>),	.	.	.	Johnston, James. (Mills, John, <i>proxime accessit</i> .)
1895 { (<i>Science</i>), }	.	.	.	{ Carmichael, John S.
{ (<i>Classics</i>), }	.	.	.	{ Reid, John.
1896 (<i>Classics</i>),	.	.	.	Hezlett, James.
1897 (<i>Science</i>),	.	.	.	McLean, Andrew H.
1898 (<i>Classics</i>),	.	.	.	Williams, William J.
1899 (<i>Science</i>),	.	.	.	Strain, Thomas G.
1900 (<i>Classics</i>),	.	.	.	O'Neill, Joseph J.
1901 (<i>Science</i>),	.	.	.	Perry, Agnes M.
1902 (<i>Classics</i>),	.	.	.	Thompson, Frances L.
1903 (<i>Science</i>),	.	.	.	Montagu, Cuthbert F.
1904 (<i>Classics</i>),	.	.	.	Jack, Thomas.
1905 (<i>Science</i>),	.	.	.	Jack, Thomas.
1906 (<i>Classics</i>),	.	.	.	No candidate.

VIII.—THE PRESIDENT'S MEDAL.

This Medal for excellence in Oratory and English Composition, founded by the late President, Sir Thomas Moffett, will be awarded annually in connexion with the Literary and Debating Society, by the President.

Medalists.

1895-96,	.	.	.	Farley, William J., B.A.
1896-97,	.	.	.	Curry, David S., B.A.
1897-98,	.	.	.	O'Grady, Henry G.
1898-99,	.	.	.	Moore, William Irwin.
1901-02,	.	.	.	Minnis, Samuel.

IX.—TIME TABLE OF ENTRANCE AND SCHOLARSHIP EXAMINATIONS, 1906.

Supplementary Examinations for First, Second, and Third Year Students will be held on Tuesday, October 16, and Wednesday, October 17, 1906, from 10 a.m. to 1 p.m., and 2 p.m. to 5 p.m.

DAYS.	HOURS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	
		ENTRANCE EXAMINATION.	JUNIOR SCHOLARSHIPS.	JUNIOR SCHOLARSHIPS.	SENIOR SCHOLARSHIPS.
Thursday, Oct. 18.	10—1		Arts.—Latin.	Arts.—Latin.	Latin.
	2—5		Arts.—Greek.	Arts.—Greek.	Greek.
Friday, Oct. 19.	10—1	English. 10—11½ Latin. 11½—1	Arts.—English. Engin.—Geometrical Drawing, &c.	Arts.—English.	French.
	2—5	Greek, French, German, or Italian. 2—3½ Mathematics. 3½—5	Engin.—Geometrical Drawing, &c.		German. Italian.
Saturday, Oct. 20.	10—1	Experimental Physics.	Arts.—Latin.	Arts.—Latin.	Latin.
	2—5		Arts.—Greek.	Arts.—Greek.	Greek.

JUN. SCHOLARSHIPS.					
Monday, Oct. 22.	10—1	Arts. } Med. } English.	Arts. } Med. } Engin. } Modern Languages.	Arts.—Modern Lang. Engin.—Engineering.	Political Science. Engineering.
	2—5	Arts. } Med. } Greek.	Arts.—Modern Languages.	Arts.—Modern Lang. Engin.—Engineering.	Modern History. Engineering.
Tuesday, Oct. 23.	10—1	Arts. } Med. } Latin.	Med. } Engin. } Theoretical Chemistry.	Arts.—Chemistry.	Theoretical Chemistry.
	2—5	Arts. } Med. } Greek.	Arts.—Celtic.	Arts. } Engin. } Mathematical Physics.	Mathematical Physics.
Wednesday, Oct. 24.	10—1	Arts. } Med. } Latin.	Arts. } † Med. } † Engin. } Experimental Physics.	Arts.—Experimental Physics.	Experimental Physics. †
	2—5	Arts. } Med. } Engin. } Mathematics.	Arts. } Engin. } Mathematics.	Arts.—Mathematics.	Metaphysics. Mathematics.
Thursday, Oct. 25.	10—1	Arts. } Med. } Engin. } Mathematics.	Arts. } Engin. } Med.—Anatomy. } Mathematics.	Arts. } Engin. } Mathematics.	Mathematics.
	2—5	Arts. } Med. } Celtic.	Med.—Anatomy.	Arts.—Logic.	English.
Friday, Oct. 26.	10—1	Arts. } Med. } German.	Med.—Natural History.	Arts.—Natural History.	English.
	2—5	Arts. } Med. } French.			Practical Chemistry.*
Saturday, Oct. 27.	10—1	Arts. } Med. } Italian.		Arts.—Geology. Engin.—Practical Chemistry.	Natural History.

For Examinations for *Third and Fourth Year Scholarships in Medicine*, and for *Junior Law Scholarships*, see next page.

* This Examination usually extends over two days, the hours to be arranged with the Examiner.

† There will be an Examination in Practical Physics, day and hour to be arranged.

TIME TABLE OF EXAMINATIONS, 1906.—Continued.

MEDICAL SCHOLARSHIPS OF THE THIRD AND FOURTH YEARS.

DAYS.	HOURS.	SUBJECTS.
Thursday, October 25,	{ 10—1, 2—5,	Anatomy. Physiology.
Friday, October 26,	{ 10—1, 2—5,	Materia Medica. Surgery.
Saturday, October 27,	10—1,	Practical Chemistry
Monday, October 29,	{ 10—1, 2—5,	Midwifery. Medicine.
Tuesday, October 30,	{ 10—11½, } 11½—1, }	Medical Jurisprudence.

JUNIOR LAW SCHOLARSHIPS.

Examinations will be held on December 17 and 18, 1906.

X.—ENTRANCE EXAMINATION, 1906.*

For Regulations and date see pages 8 and 22.

A.—IN THE FACULTIES OF ARTS, LAW, AND MEDICINE.

Subjects :

- i. *Latin*.
- ii. Any one of the following languages:—*Greek, French, German, Italian*.
- iii. *English*.
- iv. *Mathematics*.
- v. *Experimental Physics*.

The following are the particulars of the foregoing subjects of Examination:—

- | | | | | | | |
|-------|----------------|-------|---|------------------|-------|--|
| i. | <i>Latin</i> , | . . . | Vergil— <i>Georgics</i> , iv.
Cicero— <i>De Amicitia</i> .
Outlines of Roman History, from 133 B.C. to 44 B.C. (Smith's smaller <i>History of Rome</i> .)
[NOTE.—A paper will be set in Latin Grammar, and easy sentences will be set for translation into Latin.] | | | |
| ii. { | <i>Greek</i> , | . . . | Xenophon— <i>Hellenica</i> , i.
Euripides— <i>Alcestis</i> , omitting lyric portions.
Outlines of Grecian History, from 560 B.C. to 338 B.C. (Smith's smaller <i>History of Greece</i> , revised edition, or Bury's <i>History of Greece</i> for beginners.)
Elementary Grammar.
Easy sentences for translation into Greek. | | | |
| | | | | <i>French</i> , | . . . | Souvestre— <i>Au coin du Feu</i> .
Coppée— <i>Le Luthier de Crémone</i> .
Elements of French Grammar.
Easy sentences for translation into French.
Oral Examination. |
| | | | | | | |
| | | | | <i>Italian</i> , | . . . | Renato Fucini— <i>All' Aria Aperta</i> .
Tasso— <i>Gerusalemme Liberata</i> , Cantos i., ii., iii.
Elements of Italian Grammar.
Easy sentences for translation into Italian.
Oral Examination. |

* Matriculation Certificates of the Queen's Colleges, Belfast and Cork, and of the Royal University of Ireland, and of other Universities, are accepted by this College (see pp. 8, 9).

- iii. *English*, . . . English Grammar and Composition.
 Macaulay—*Life of Johnson*.
 Wordsworth—*Excursion*, Book i.
- iv. *Mathematics*, . . . Arithmetic; including Principles of Notation and the four rules, Vulgar and Decimal Fractions, Proportion and its applications, and the Extraction of the Square Root.
 Algebra; including Fractions, and the solution of Simple Equations.
 Geometry—The subject-matter of Euclid's *Elements*, Books i., ii., iii. Questions on Geometrical Drawing will be set to illustrate the theoretical work: candidates should provide themselves with a hard pencil, compasses, and graduated ruler (centimetres or inches and tenths).
- v. *Experimental Physics*: The Elementary Principles of Dynamics and Hydrostatics, as treated in Everett's Elementary Text-book of Physics.

B.—IN THE SCHOOL OF ENGINEERING.*

Subjects:

- i. *Mathematics*.—Same as Course in Faculty of Arts.
- ii. *History, Geography, and the English Language*. Outlines of History of Great Britain and Ireland. Outlines of Geography. English Grammar and Composition.
- iii. *Experimental Physics*: Same as Course in Faculty of Arts.

* See foot-note, p. 25.

FACULTY OF ARTS.

I.—TIME TABLE OF LECTURES.

FIRST YEAR.

Subjects.	Terms.	Mon.	Tues.	Wed.	Thrs.	Fri.	Sat.
Greek (Honour),	1, 2, 3,	—	9	9	—	9	—
Greek (Pass),	1, 2, 3,	—	—	—	9	—	11
Latin (Honour),	1, 2, 3,	12	—	12	—	12	—
Latin (Pass),	1, 2, 3,	—	11	—	11	—	—
Mathematics (Honour),	1, 2, 3,	1	1	—	1	1	—
Mathematics (Pass),	1, 2, 3,	—	—	1	—	—	11
Experimental Physics,	1, 2, 3,	—	12	—	12	—	12
† English,	1, 2, 3,	11	—	—	—	11	—
French (Honour),	1, 2, 3,	10	—	—	10	—	—
French (Pass),	1, 2, 3,	—	10	—	—	10	—
German,	1, 2, 3,	—	—	10	—	—	10

A Class in *Italian* will be held as required, at hours to be arranged with the Professor.

SECOND YEAR.

Subjects.	Terms.	Mon.	Tues.	Wed.	Thrs.	Fri.	Sat.
Greek (Honour),	1, 2, 3,	12	—	—	—	12	10
Greek (Pass),	1, 2, 3,	—	11	—	11	—	—
Latin (Honour),	1, 2, 3,	—	10	—	10	11	—
Latin (Pass),	1, 2, 3,	11	—	11	—	—	—
Mathematics (Honour),	1, 2, 3,	—	11	—	11	—	12
Mathematics (Pass),	1, 2, 3,	1	—	—	1	—	—
Mathematical Physics (Honour),	1, 2, 3,	—	—	9	—	—	9
Mathematical Physics (Pass),	1, 2, 3,	10	—	—	—	10	—
Experimental Physics,	1, 2, 3,	—	9	—	9	—	—
† English,	1, 2, 3,	—	—	1	—	10	—
Logic,	1, 2,	10	—	10	—	—	—
Chemistry,	1, 2, 3,	12	—	12	—	12	—
Practical Chemistry (Pass),	3 Mths.	3	—	3	—	3	—
Biology,	1, 2, 3,	—	3	—	3	—	3
Mineralogy and Geology,	1, 2,	10	—	10	—	10	—
French (Honour),	1, 2, 3,	12	—	12	—	—	—
French (Pass),	1, 2, 3,	—	12	—	12	—	—
† German,	1, 2, 3,	—	—	—	—	12	—

Classes in *Practical Physics*, *History*, *Practical Chemistry (Honour)*, *Practical Biology (Honour)*, and *Italian* will be held as required, at hours to be arranged with the Professors.

† Honour Students receive special instruction.

TIME TABLE OF LECTURES—*continued.*

THIRD YEAR.

Subjects.	Terms.	Mon.	Tues.	Wed.	Thrs.	Fri.	Sat.
Greek (Honour),	1, 2, 3,	—	12	12	12	—	—
Greek (Pass),	1, 2, 3,	11	—	—	—	11	—
Latin (Pass),	1, 2, 3,	10	—	10	—	10	—
Mathematics (Pass),	1, 2, 3,	—	11	—	11	—	—
Mathematical Physics,	1, 2, 3,	—	10	—	10	—	10
Experimental Physics (Honour),	1, 2, 3,	11	—	11	—	—	—
English Literature (Honour), . .	1, 2, 3,	—	10	—	10	—	—
‡ Zoology and Botany,	1, 2, 3,	—	3	—	3	—	3
† Mineralogy and Geology,	1, 2,	10	—	10	—	10	—
French,	1, 2, 3,	11	—	—	11	—	—
German,	1, 2, 3,	—	11	—	—	11	—
Physiology,	1, 2,	9	—	9	—	9	—

Classes in *Latin (B.A., Honour)*, *Mathematics (B.A., Honour)*, *Practical Physics*, *History*, *Logic*, *Metaphysics*, *Chemistry (Honour)*, *Practical Chemistry (Honour)*, *Practical Biology (Honour)*, *Italian*, *Jurisprudence*, and *Political Economy* will be held as required, at hours to be arranged with the Professors.

Post-Graduate Classes can be held in most of the Departments by arrangement with the Professors.

‡ Honour Students receive special instruction.

† Honour Students may substitute for the above, attendance on the Second Course of Natural History. (See page 65, note †.)

II.—COURSES OF LECTURES.

The Course of Study extends over three Sessions.

PRESCRIBED PASS COURSES.

For Students of the First Year.

- I. Latin.
- II. Any one of the following :—Greek, French, German, Italian.
- III. English Language and Literature.
- IV. Mathematics.
- V. Experimental Physics.

Students may substitute Honour Courses in Latin, Greek, Mathematics, and Modern Languages for the Pass Courses in these subjects.

For Students of the Second Year.

- I. Latin.
- II. Greek.
- III. English Language and Literature.
- IV. Any one of the following languages :—French, German, Italian.
- V. Logic.
- VI. History.
- VII. Mathematics.
- VIII. Mathematical Physics.
- IX. Experimental Physics.
- X. Chemistry.
- XI. Natural History.
- XII. Geology (including Mineralogy and Physical Geography).

Students must attend in four of the foregoing subjects, one of which must be Latin, or Mathematics, or Experimental Physics.

For Students of the Third Year.

- I. Latin.
- II. Greek.
- III. (a) English and History; or (b) either English or History with any one of the following languages:—French, German, Italian.
- IV. Logic, and any one of the following:—Metaphysics, History of Philosophy, Political Economy.
- V. Mathematics.
- VI. Mathematical Physics.
- VII. Experimental Physics.
- VIII. Chemistry.
- IX. Physiology.
- X. Botany and Zoology.
- XI. Geology (including Mineralogy and Physical Geography).

Students may attend, at their option, in any one of the following groups of subjects:—

- A. (1) Latin; (2) Greek; and (3) any one other of the above subjects.
- B. (1) Latin; (2) Logic, Metaphysics, with History of Philosophy; and (3) Political Economy.
- C. (1) Mathematics; and (2) (3) two others of the above subjects, one of which must be one of those enumerated under heads VI. to XI.

Or Honour Lectures in any one of the following Groups:—

- I. Latin and Greek Languages and Literatures.
- II. English, and any two of the following languages:—French, German, Italian.
- III. Logic, Metaphysics, and History of Philosophy, with any one subject from Group IV.
- *IV. Civil and Constitutional History, Political Economy, and General Jurisprudence.
- V. Mathematics and Mathematical Physics.
- VI. Mathematical and Experimental Physics.
- VII. Any two of the following subjects:—
 - i. Experimental Physics.
 - ii. Chemistry.
 - iii. Botany and Zoology.
 - iv. Physiology or Geology.

For the regulations as to the Royal University Examinations in Arts, see Appendix.

* Any Candidate selecting Group IV. will be at liberty to substitute English for either Political Economy or Jurisprudence.

I.—GREEK.

R. KNOX M'ELDERRY, M.A., F.R.U.I.

The books to be read in the Greek class-room for the Session 1906–1907 will be selected so as to prepare students for the several Examinations in the Royal University and corresponding Examinations.

Students of the *First Year* will read—

In *Pass Class*—Homer, *Iliad*, xi.; Plato—*Republic*, i., ii. History, to 478 B.C. Antiquities—Gow, chaps. x., xi., xix.

In *Honour Class*, in addition to the above, Euripides, *Orestes*; Herodotus, Book vi.; Homer, *Iliad*, ix., x., xii.; Mahaffy's *Greek Literature*, vol. i., Part i., chaps. 2, 3, 4, 5.

The *Pass Class* meets at 9 a.m. on Thursdays, and 11 a.m. on Saturdays; the *Honour Class* at 10 a.m. on Tuesdays, Fridays, and Saturdays.

Students of the *Second Year* will read—

In *Pass Class*—Sophocles, *Ajax*; Andocides, *De Mysteriis, De Reditu*. History, from 478 to 404 B.C. Literature:—Barnett's *Greek Drama*.

In *Honour Class*, in addition to the above—Sophocles, *Oedipus Rex*; *Theocritus*, 1, 2, 3, 6, 7, 9, 10; Plato, *Phaedo*. History, Literature, and Antiquities—Grote, chaps. 58–62, Haigh's *Attic Theatre*, Jevons' *History of Greek Literature*, Part 1, Book 3.

The *Pass Class* meets at 1 p.m. on Tuesdays and Thursdays; the *Honour Class* at 1 p.m. on Wednesdays, at 9 a.m. on Fridays, and at 12 noon on Saturdays.

Students of the *Third Year* will read—

In *Pass Class*—*Thucydides*, vii.; Aristophanes, *Frogs*; Aeschylus, *Eumenides*. Special Portions of History, Literature, and Antiquities.

In *Honour Class*, in addition to the above, *Thucydides*, vi.; Aristotle, *Poetics*; Aeschylus, *Agamemnon* and *Persae*; Aristophanes, *Knights*; Pindar, *Nemeans*.

The *Pass Class* meets at 1 p.m. on Mondays and Fridays; the *Honour Class* at 12 noon on Tuesdays, Wednesdays, and Thursdays.

The lecture-hours, as given above, are subject to readjustment as occasion may arise, and will be arranged to suit the

Classes at the beginning of the Session. Special arrangements may be made for post-graduate Students.

Lectures on Greek Prose Composition form a regular part of each Course. Students of the First and Second Years will find North and Hillard's and Sidgwick's "Greek Prose Composition" of service. Goodwin's Grammar is also recommended.

The standard works of reference and the larger editions of Greek Classics may be consulted in the Library. Before providing themselves with class-room copies of the authors prescribed, Students may consult a list, which will be posted at the beginning of the Session, of editions recommended for use.

II.—LATIN.

CHARLES EXON, M.A.

The Books to be read in class for the Session 1906–1907 will be chosen with a view to the requirements of Students preparing for the Examinations of the Royal University.

Lectures for Students of the First Year:—

(a) The *Pass* Class meets on Tuesdays and Thursdays, at 11 a.m.

Books appointed:—Livy, Book xxvi; Vergil, *Aeneid*, Book vii; Horace, *Odes*, iv. Roman History, A.U.C. to 133 B.C. (Pelham, Rivingtons.) Literature (Wilkins' Primer).

(b) The *Honour* Class meets on Mondays, Wednesdays, and Fridays, at 12 noon.

Books appointed:—Vergil, *Aeneid*, viii. Ovid, *Fasti*, iii., iv. Cicero, *pro Marcello*, *pro Ligario*, *pro Rege Deiotaro*. History—Mommsen, vol. II., bk. iii., 3–8. Literature—Mackail's *Latin Literature*.

Lectures for Students of the Second Year :—

(a) The *Pass* class meets on Mondays and Wednesdays at 11 a.m.

Books appointed :—

Cicero, *Tusculan Disputations*, v. ; Pliny, *Epistles*, book i. ; Juvenal, *Satires*, 3, 10, 12, 13, 14 ; History of the period from B.C. 31 to A.D. 68 (Student's Roman Empire, chaps. 1-18, omitting 4, 6, 7, 8). Literature—Mackail's *Latin Literature*.

(b) The *Honour* class meets on Tuesdays and Thursdays at 10 a.m., and Fridays at 11 a.m. Books appointed :—*Lucretius*, v. ; Martial, Books v.-viii. (Stephenson's edition) ; Cicero, *Pro Plancio* ; Tacitus, *Histories* i., ii. History—Mommson, *Provinces of the Roman Empire*, vol. i., pp. 1-194 (Eng. Trans.).

Lectures for Students of the Third Year :—

The class meets at 10 a.m. on Mondays, Wednesdays, and Fridays, and arrangements may be made for additional Lectures for *Honour* Students.

Books appointed:—Vergil, *Aeneid*, iii., iv., vii. ; Horace, *Odes*, iii. and iv. ; Tacitus, *Annals*, i.-iv. ; Lucretius, Book v. ; Plautus, *Pseudolus* and *Rudens* ; Cicero, Tyrrell and Purser's *Correspondence of Cicero*, vol. i., parts i. and ii. ; Tibullus, Postgate's edition ; History, Literature, and Philology (see p. 58).

Students are expected to provide themselves with texts and the ordinary editions for use in class, and to prepare for lectures by previous reading. A list of editions recommended will be posted at the beginning of the Session. The larger modern editions and Books of Reference may be consulted in the Library. For *Pass* Students of the *First* Year, the prose author read in class is used as a basis of instruction in Prose Composition ; for the other classes Bradley's *Aids to Latin Prose Composition*.

III.—MATHEMATICS.

T. J. I'A. BROMWICH, M.A., F.R.S., F.R.U.I.

Senior Scholar (1906-7)—JOHN E. BOWEN, B.A.

The Lectures in Mathematics are adapted for Students preparing for the Examinations of the Royal University and similar Examinations. Students are expected to prepare

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for the Lectures by reading, and to work out the examples set in the classes to the best of their ability.

The Courses are :—

I. *For the First University Pass Examination.* (Wednesdays, at 1 p.m., and Saturdays, at 11 a.m.)

Elements of Plane Geometry (including Elementary Geometrical Drawing), Algebra and Plane Trigonometry. The following text-books will be needed :—An edition of Euclid's *Elements*, books i.-vi. Chrystal's *Introduction to Algebra*. Lachlan's or Hall and Knight's *Elementary Trigonometry*. Students should provide themselves with a *hard* pencil, two small set-squares (45° and 60°), a graduated ruler, and a pair of compasses with a *hard* pencil. In the lectures on Trigonometry a small protractor will be useful. †

II. *For the First University Honour Examination.* (Mondays, Tuesdays, Thursdays, Fridays, at 1 p.m.)

Plane Geometry ; Elements of Solid Geometry and Mensuration ; Algebra ; Plane Trigonometry ; Theory of Equations ; Analytical Geometry and Conic Sections ; First Principles of the Differential Calculus. The following text-books will be needed :—Casey's *Sequel to Euclid*. An edition of Euclid's *Elements*, book xi. C. Smith's *Algebra*. Casey's *Plane Trigonometry* or Lachlan's *Elementary Trigonometry*. C. Smith's *Analytical Conic Sections* ; *C. Taylor's *Elementary Geometry of Conics*. Gibson's *Introduction to the Calculus* ; or his **Elementary Treatise on the Calculus* : the latter is recommended to those Students who contemplate taking Class IV. in the following year.

Copies of Bottomley's *Four-figure Mathematical Tables* are provided for use *in the class* ; but Students are advised to provide themselves either with these Tables, or with the set published by the Cambridge Local Examinations Syndicate (price 3d., post free).

III. *For the Second University Pass Examination.* (Mondays and Thursdays, at 1 p.m.)

Plane Geometry ; Elements of Solid Geometry and Mensuration ; Algebra ; Plane and Elementary Spherical Trigonometry. For text-books see under Class II., omitting the Conics and Calculus. Spherical Trigonometry will be taught in Class V., to which Students attending Class III. will be admitted (for this subject) without extra fee.

* These books are recommended, but are not indispensable ; most of them will be found in the Library.

† Cheap sets of instruments are supplied by several of the leading educational publishers.

IV. *For the Second University Honour Examination.* (Tuesdays, at 11 and 12, Thursdays, at 11, and Saturdays, at 12.)

Theory of Series; Theory of Equations; Analytical Trigonometry; Plane Analytical Geometry; Differential and Integral Calculus; Spherical Trigonometry. Text-books recommended are:—*Chrystal's *Algebra* (vols. i., ii.). Osgood's *Introduction to Infinite Series* (published by Harvard University). *Hobson's *Trigonometry*. Gibson's *Elementary Treatise on the Calculus*. C. Smith's *Conic Sections, or* *Salmon's *Conic Sections*. Burnside and Panton's *Theory of Equations*. Casey's, or Todhunter and Leathem's *Spherical Trigonometry*.

V. *For the B.A. Pass Examination.* (Tuesdays and Thursdays, at 11 a.m.)

Analytical Geometry and Conic Sections; Differential and Integral Calculus; Spherical Trigonometry. For text-books see under Class IV.

VI. *For the B.A. Honour and M.A. Examinations.*

These Classes will be arranged as required; there was a B.A. Class during the past Session, 1905-6.

Three exercise Classes are held by the Assistant on Saturdays. Students wishing to make use of these Classes should give in their names early in the First Term, and a time-table will be arranged as soon as possible afterwards.

The Mathematical class-room has a small collection of Models and diagrams, illustrating fundamental theorems of Solid Geometry, and the shapes of certain plane curves; additions to the collection are made from time to time.

The College Library contains a large collection of standard mathematical works and Journals, to which regular additions are made. The following may be mentioned, in addition to the usual text-books:—

Works of *Lagrange, Jacobi, Gauss, Cayley, Weierstrass, Schwarz, Fourier, Adams, Riemann, Abel, Cauchy, Fermat, Clifford, &c.*; *Journals of Crelle and Liouville, Acta Mathematica, Quarterly Journal of Mathematics, Proceedings of the London Mathematical Society, Jahrbuch über die Fortschritte der Mathematik, Annali di Matematica, American Journal of Mathematics, Zeitschrift für Mathematik und Physik.*

* These books are recommended, but are not indispensable; most of them will be found in the Library.

IV.—NATURAL PHILOSOPHY.

THE PRESIDENT.

Demonstrator (1906-7)—A. J. W. COMPTON, B.A.

In this Department Courses of Study are pursued in both Experimental Physics and Mathematical Physics.

A.—EXPERIMENTAL PHYSICS.

Instruction in this subject is imparted by means of Lectures illustrated by experiments, by the use of suitable text-books, and by Courses of practical work in the Laboratory.

Lecture Courses.—Separate Courses of Lectures are given to Students of the First, Second, and Third Years.

The Class for Students of the *First Year* meets on three days of the week during the whole Session. The Lectures are designed to give Students in Arts, Medicine, and Engineering a thorough grounding in the general principles of *Mechanics, Hydrostatics, Heat, Sound, Light, Magnetism, and Electricity*, and are adapted for those preparing for the First University Examinations of the Royal University, and similar Examinations. Special attention is given to the subjects of *Heat, Light, and Sound*, to meet the requirements of those intending to compete for Honours at the First University Examination in Arts.

The Class for Students of the *Second Year* meets on two days of the week during the whole Session. The subjects chosen are those prescribed for the Second University Examination in Arts of the Royal University. These subjects are dealt with as completely as the Mathematical attainments of the Class will permit.

The Class for Students of the *Third Year* meets on two days of the week during the whole Session for Pass Students, and an additional Lecture every week is delivered to those who intend to compete for Honours at the B.A. Examination of the Royal University. The subjects chosen are those prescribed for this Examination, and the Lectures aim at making Students familiar with the present state of physical science, and with the results and methods of modern physical research.

A Class may also be arranged with the Professor for Students reading the M.A. Honour Course of the Royal University.

Text-Books.

The Text-books recommended for the First Year Course are the Cambridge Natural Science Manuals, by R. T. Glazebrook.

For the Second Year Course the Text-books recommended are Deschanel's Natural Philosophy, edited by Professor Everett, Joubert's Electricity and Magnetism, and Balfour Stewart's Heat.

For the Third Year Course the Text-books recommended are Deschanel's Natural Philosophy, edited by Professor Everett; Preston's Theory of Light; Preston's Theory of Heat; Fleming's Alternate Current Transformer, vol. i.; Maxwell's Heat; Cours de Physique, by J. Violle; Ewing's Magnetic Induction.

Laboratory Courses.—Separate Courses of practical instruction in the Laboratories, at which the Demonstrator assists, are given to Students in the Faculties of Arts, Medicine, and Engineering. These Courses, which are continued for three months of the Session, are designed to prepare Students for the Examinations in Practical Physics of the Royal University, and similar Examinations; but facilities are afforded to Students desirous of pursuing a more extended course of practical work. The Physical Laboratories are supplied with electrical power from the Galway Electric Light Company's Station, and provided with storage batteries, continuous current dynamo, alternator, and transformer. The Museum of Natural Philosophy, in connection with the Laboratories, contains a very complete collection of physical apparatus suitable for lecture illustration and research work.

B.—MATHEMATICAL PHYSICS.

Instruction in this subject is imparted by means of Lectures and by the use of text-books.

Lecture Courses.—Three Courses of Lectures are delivered extending over the whole Session—one to Pass Students of the Second Year, one to Honour Students of the Second Year, and one to Honour Students of the Third Year. Pass Students of the Third Year attend the Honour Course of the Second Year. A Class for Students reading the M. A. Honour Course of the Royal University in Mathematical Physics may be arranged with the Professor. An additional Course of Lectures is given by the Senior Scholar to Pass Students of the Second Year.

The subjects treated in the Courses of the Second Year are those branches of Mathematical Physics prescribed for the Second University Examinations of the Royal University in Arts and Engineering. The Third Year Course includes those branches of Mathematical Physics prescribed by the Royal University for the Degrees of B.A. and B.E. with Honours.

Text-Books.

The Text-books recommended for the Second Year Courses are, Loney's *Mechanics and Hydrostatics for Beginners*, Loney's *Treatise on Elementary Dynamics*, Greaves' *Statics*, Heath's *Elementary Optics*, Greaves' *Hydrostatics*, Parker's *Astronomy*.

For the Third Year Course, the following Text-books are recommended:—Routh's *Statics*, vols. i. and ii. ; Williamson and Tarleton's *Dynamics*, Routh's *Elementary Rigid Dynamics*, Heath's *Geometrical Optics*, Besant's *Hydromechanics*, Part I.; Godfray's *Astronomy*, Frost's *Newton*.

LIBRARY:—The College Library contains a large collection of standard works on the various branches of Mathematical and Experimental Physics, and their allied subjects, and receives many British and foreign scientific periodicals and journals.

V.—ENGLISH LANGUAGE AND LITERATURE.

W. FITZJOHN TRENCH, M.A., M.R.I.A.

Lectures to *First Year* Students are delivered during the whole Session on Mondays and Fridays, at 11 a. m. The Course prescribed in the First University Examination in the Royal University supplies the subjects specially dealt with in these Lectures.

The Lectures for Students of the *Second Year* are given during the three terms. Additional Lectures are given to Students reading for Honours.

In the *Third Year*, Honour Lectures are given throughout the Session.

In each year the Books prescribed for the Examinations of the Royal University form the subjects of special study.

Courses of Honour Lectures deal with the history of English Literature during the periods prescribed for the several years: these Lectures aim especially at imparting an intelligent apprehension of the origin, development, and

characteristics of successive literary movements, rather than a knowledge of the names of individual writers and their works.

The Students are also instructed and exercised in the writing of essays.

Students are expected to provide themselves with the text-books in the study of which the classes are respectively engaged. They will find the College Library, especially as their studies become more advanced, a great assistance, for it contains a large collection of standard editions of English poets and prose-writers, as well as the principal works in literary criticism and on the history of literature, and also works that will aid in the linguistic study of English.

Arrangements may be made with the Professor for a post-graduate class, with a view to the examination for the M.A. Degree in the Royal University.

VI.—MODERN HISTORY.

Lectures will be given during two terms, the Course including the History of Great Britain and Ireland, and of France, from 1589 to 1815.

VII.—MENTAL SCIENCE.

Logic.—The Courses of Lectures for *Second Year* Students are delivered during two terms, at 1 p.m., on Mondays and Wednesdays.

Metaphysics.—Lectures are delivered during two terms. The Lectures deal with the principles of Psychology and Ontology.

In the various Courses of Lectures, the portions of the subjects for each class are chosen to meet the requirements of Students who are preparing for Examination in the Royal University, and special arrangements may be made for Students who are studying for other public Examinations.

VIII.—CHEMISTRY.

ALFRED SENIER, PH.D.

Demonstrator (1906-7)—ARTHUR J. W. COMPTON, B.A.*Research Assistant* (1906-7)—P. C. AUSTIN, M.A.

Chemistry is studied throughout the Session:—First, by means of Lectures in which an acquaintance is made with the chief facts upon which the science is based, by experiments conducted on the Lecture-table; these are carefully observed and their scientific bearing considered. Secondly, by experiments conducted by the Students themselves, each working independently in the laboratory, under the supervision of the Professor or Demonstrator. Thirdly, by the use of text-books; by reference to the Dictionaries of Chemistry, and to the Chemical Journals which are available in the Library.

(1) LECTURE COURSES.

(a) *Second Year Course for Pass and Honours. Inorganic and Organic Chemistry.*—The class meets at 12 o'clock on Mondays, Wednesdays, and Fridays throughout the Session, The Lectures embrace a consideration of the leading facts of Inorganic and Organic Chemistry, and include both the Pass and Honour subjects required for the Second University Examination in Arts of the Royal University, or for other corresponding Examinations.

About forty Lectures are devoted to a detailed study of the non-metallic elements, their reactions, and the constitution of the compounds they form. The general facts established are then reviewed, including the weight and volume relation in chemical reactions, the molecular hypothesis, the atomic hypothesis, and the relative weight of molecules and atoms. The leading metals and their more important compounds are briefly considered, and the remaining Lectures are devoted to Elementary Organic Chemistry, embracing the general methods of study of organic compounds, their identification, qualitative and quantitative composition, the constitution of molecules, isomerism, and including the reactions of the chief members of the fatty and aromatic groups.

(b) *Third Year Course for Honours.—Organic Chemistry.*—A class in Advanced Organic Chemistry, adapted to the requirements of the B.A. *Honour* Examination of the Royal University, will, if required, be formed to meet throughout the Session at hours to be arranged; also a *Fourth Year*

(*Post-Graduate*) Course for *Honours*, to meet the requirements of Students preparing for the M.A. *Honour* Examination of the Royal University. Students wishing to avail themselves of these classes must arrange with the Professor at the beginning of the First Term.

(2) LABORATORY COURSES, PRACTICAL CHEMISTRY.

Students are admitted to the Laboratory at the hours given in the time-table, and at other times by arrangement with the Professor. A separate bench is allotted to each Student. These courses of experiment afford a means of acquiring manipulative skill, and of attaining a more intimate knowledge of the science of chemistry.

(a) *Second Year Course for Pass*.—This course consists of about forty Lectures of two hours each, commencing in the first term, and ending at the close of the second term. The work done is adapted to the requirements in Practical Chemistry of the Pass Second Examination in Arts. A *Second Year Six Months' Course for Honours*, adapted to the Honour Second Examination in Arts of the Royal University, will be arranged for Students who desire it.

(b) *Third Year Course for Honours*.—This Course is arranged to meet the requirements of the B.A. *Honour* Examination of the Royal University and of other corresponding Examinations. The Class works throughout the Session at hours to be arranged. Fee, five pounds.

Fourth Year (Post-Graduate) Courses for Honours will be organized, if desired, to meet the requirements of Students preparing for the M.A. *Honour* Examination of the Royal University, or for other Examinations. These Classes will commence work at the beginning of the Session. Post-Graduate Courses may also be arranged in other departments of Pure or Applied Chemistry, including Agriculture, Brewing, Food Analysis, etc., to meet individual requirements. Fee, five pounds.

(3) TEXT-BOOKS, CHEMISTRY DEPARTMENT OF LIBRARY,
CHEMISTRY MUSEUM.

(a) *Text-Books recommended*.—For Second Year Lecture Course:—

Holleman, *Inorganic Chemistry* (trans. Cooper); Holleman, *Organic*

Chemistry (trans. Walker); Newth, Inorganic Chemistry; Remsen, College Chemistry; or Richter, Inorganic Chemistry (trans. Smith).

For Third Year Honour and Post-Graduate Lecture Courses:—

Roscoe and Schorlemmer, Treatise on Chemistry, vols. i. and ii. Caven and Lauder, Systematic Inorganic Chemistry; Holleman, Organic Chemistry (trans. Walker); Richter, Organic Chemistry (trans. Smith); Nernst, Theoretical Chemistry (trans. Palmer); Hjelt, Principles of General Organic Chemistry (trans. Tingle); L. Meyer, Outlines of Theoretical Chemistry (trans. Bedson and Williams); Van't Hoff, The Arrangements of Atoms in Space (trans. Eiloart); Walker, Introduction to Physical Chemistry; Van't Hoff, Lectures on Theoretical and Physical Chemistry (trans. Leffeldt); Leffeldt, Physical Chemistry.

For Laboratory Courses:—

Qualitative Analysis—Clowes, Practical Chemistry; Treadwell. For Quantitative Analysis—Fresenius, Quantitative Analysis (trans. Vacher and Groves), or Clowes and Coleman, Quantitative Analysis; Treadwell, Quantitative Analysis; Hempel, Gas Analysis (trans. Dennis). For Preparations—Fischer, Organic Compounds (trans. Kling); Gattermann, Practical Methods of Organic Chemistry (trans. Shober); Lassar-Cohn, Manual of Organic Chemistry (trans. Smith); Holleman, Laboratory Manual of Organic Chemistry (trans. Walker); Erdmann, Chemical Preparations (trans. Dunlap); H. Meyer, Determination of Radicals in Carbon Compounds (trans. Tingle); Cohen, Practical Organic Chemistry.

(b) *Chemistry Department of Library.*—Chief works of reference:—

Morley and Muir, Watt's Dictionary of Chemistry; Thorpe, Dictionary of Applied Chemistry; Beilstein, Organische Chemie; Richter, Lexicon der Kohlenstoffverbindungen; Roscoe and Schorlemmer, Treatise on Chemistry; L. Meyer, Modern Theories of Chemistry (trans. Bedson); Ostwald, Lehrbuch der Allgemeinen Chemie; Kopp, Geschichte der Chemie; E. Meyer, History of Chemistry (trans. M'Gowan); Comey, Dictionary of Solubilities; Allen, Commercial Organic Analysis; Green, Fermentation; Menschutkin, Analytical Chemistry (trans. Locke).

Principal Journals containing original Memoirs:—

Journal of the Chemical Society; Liebig's Annalen der Chemie; Berichte der Deutschen Chemischen Gesellschaft; Chemisches Centralblatt; Zeitschrift für Physikalische Chemie; Annales de Chemie et de Physique; Journal of the Society of Chemical Industry; Chemical News.

IX.—NATURAL HISTORY.

RICHARD J. ANDERSON, M.A., M.D.

Acting Demonstrator (1906-7)—FREDERICK J. BALL, B.A.
(*Senior Scholar*).

The Department of Natural History comprehends the Sections of Zoology, Botany, Practical Biology, Geology, Mineralogy, and Physical Geography.

1. ZOOLOGY.

The Class in Zoology meets at 3, on Tuesdays, Thursdays, and Saturdays, during the months of November, December, January, and February. The Course consists of at least forty Lectures.

Introduction—The Kingdoms of Nature. The Characters of Organized Bodies. Protoplasm. Cells. Tissues. Organs. Development. Classification of Animals. Distribution in Time and Space. Theories of Evolution. The Anatomy, Physiology, and Life-History of selected types. Systematic Zoology.

THE MUSEUM.

This Museum contains a series of specimens illustrating the Animal Sub-Kingdoms. The specimens are arranged in a series, commencing with the simpler and proceeding to the higher Forms. Disarticulated Skulls, Glass and Papier-Maché Models, may be used by the Students. A revolving Microscope, Panoramic Diagrams, and Dissected Specimens of Animals are included in the Collection. There is a large collection of Microscopic Slides and several Microscopes for the use of Students.

Text-Books.

Thomson's Zoology, 4th ed., M'Bride and Shipley's Zoology.

Books recommended to Senior and Honour Classes:—Wiedersheim, Lang, Sedgwick, Parker and Haswell.

Works of Reference.

Ray Lankester's (Oxford Zoology); The Cambridge Zoology; Bronn's Tier-Reich; Brehm, Tier-Leben; Cuvier, Règne Animal; Marey, D'Arsonval and others, Physique Biologique; Owen, Odonotography; Owen, Comparative Anatomy; Ludwig's Leunis; Fürbringer, Birds; Bateson, Materials for Variation; Ellenberger, Anatomy of the Dog; Hertwig, Embryology; Krause, Anatomy of the Rabbit; A. Russel Wallace, Distribution of Animals; C. Darwin, Animals and Plants under Domestication; Tarrell, British Birds and British Fishes;

Fürbringer, Untersuchungen zur Morphologie und Systematik der Vögel; British Museum Zoological Catalogues; Macalister, Animal Morphology and Comparative Anatomy of Vertebrates; Topinard, Anthropology.

Journals.

Journ. Zoological Society, Journ. Linnean Society, Challenger Reports, The American Naturalist, Annales des Sciences Naturelles. Kölliker's Zeitschrift für Wissenschaftliche Zoologie, Gegenbaur's Morphologisches Jahrbuch, Journ. of Marine Biological Association, Zoologischer Jahresbericht, Naples; Zoologische Jahrbücher, Spengel.

Several small Aquaria in the Museum and passages contain living specimens. A small Vivarium is kept supplied with small lizards, tortoises, and snakes.

2. BOTANY.

The Course in Botany extends over three months. The Class meets on at least three days in the week at 3 o'clock. The Lectures will embrace:—

Definitions. Plant Life; Histology and Physiology. Morphology, Systematic Botany, Cryptogams and Phanerogams. The course is fully illustrated with Microscopic specimens.

The Morphology and minute Anatomy of Plants, Plant Physiology. Systematic Botany. The Characters of the Chief Natural Orders. The Life-History of selected types—Phanerogams and Cryptogams; General conditions of Plant Life.

The Museum contains several plant models, and numerous microscopic slides.

Text-Books.

Strasburger's Botany, Vines' Botany, Hooker's British Flora, Green's Botany. F. Darwin's Botany is recommended to Medical Students, and W. R. Browne's Botany is recommended to be read early.

Senior Classes.—Le Maout and Decaisne, Gœbel, Pfeffer; and the practical manuals of Bower, Vines, Detmer, and Darwin.

Works of Reference.

Leunis' Synopsis; Kerner and Oliver, Natural History of Plants; Sowerby, English Botany; J. Lubbock, Seedlings; Vines, Physiology of Plants; Masee, Plant Diseases; Scott, Structural Botany; De Candolle, Monographae Phanerogamarum; C. Darwin, Insectivorous Plants. Sachs, Physiology of Plants.

Journals.

Just's Botanischer Jahresbericht, Annales des Sciences Naturelles, Linnean Society's Journal and Transactions.

A centrifugal machine to show Knight's experiment, a Growth lever Registering Drum, and other apparatus useful in studying the Physiology of Plants, are included in the Museum of this department.

The herbarium contains many dried specimens of British plants.

3. BIOLOGY.

This Class meets on two or three days each week during the first three months of the Session.

During this Course the following Animals are dissected by the Students:—the Rabbit, Pigeon, Frog, Codfish or Dogfish, Sepia, Snail, Mussel, Blatta, Crayfish or Lobster, Cockroach, Earthworm, Leech, Hydra; Microscopic preparations of the organs are examined, fresh or preserved. The Plants studied are (a) Flowering Plant, Arabis or Wallflower, Tulip; (b) The Fern; (c) Chara, Penicillium, Mucor, Yeast. Sections of stems, leaves, roots, and flowers are made by the Students, who are expected to make drawings. Paramœcium, Vorticella, Acineta, Amœba, Noctiluca, Spongilla, and Rotifers may be studied.

Third Year.—*Honour Students* meet on an extra day in the week, and are supplied with other specimens in addition to the above. All animals are supplied to the Students free of cost. Dissections take place under the superintendence of the Professor of Natural History and the Assistant in Biology.

Senior Zoological Classes have opportunities afforded them of dissecting, amongst other types, Helix, Blatta, Oniscus, Actinia, Taenia, and cartilaginous fishes.

Senior Botanical Classes are provided with chemicals, microscopes, and other apparatus for the study of the minute structure of composite types, and the conditions under which elementary organisms live. An ample supply of tropical and sub-tropical plants comes for the Botanical Classes from the Royal Botanic Gardens, Glasnevin, through the kindness of the Curator.

The Laboratory Class in Biology, in conjunction with the Systematic Course in Botany, constitutes the Honour Class in Botany for the Third and other Years.

The Laboratory Class in Zoology, taken with the Systematic Course in Zoology, constitutes the Honour Class in Zoology of the Third Year.

Honour Students of the Second Year attend a Systematic Course of Biology and the Junior Course of Laboratory work in Biology.

Text-Books.

The Biological Works of Marshall and Hurst, and of Parker, are recommended, Marshall's Frog, The Practical Botanical Works of Bower, Vines, and Francis Darwin, Parker's Practical Zoology, Marshall and Hurst's Practical Biology, Bower's Practical Botany, Kükenthal's Practical Zoology.

4. MINERALOGY, GEOLOGY, AND PHYSICAL GEOGRAPHY.

Lectures on Mineralogy, Geology, and Physical Geography are delivered during the First and Second Terms. The Class meets on Mondays, Wednesdays, and Fridays at 10 A.M.

The Lectures will embrace:—

(A.) MINERALOGY.—Crystallography. Physical Characters and Chemical Constitution of Minerals. Classification.

Text-Books.

Rutley or Dana's Class Book, Mineralogy, Gurney's Crystallography, Rutley's Rocks.

Books recommended to Senior Students:—Dana's Text-book and System of Mineralogy, Bauermann's Mineralogy, Maskelyne's Crystallography, Lewis' Crystallography, Miers' Mineralogy, Hatch's Study of Petrology, Hatch's Text-Book of Petrology, Rutley's Rocks, Reinisch's Petrographisches Practicum.

Works of Reference.

Die Mikroskopische Beschaffenheit der Mineralien und Gesteine. Dana's System of Mineralogy. Miller's Mineralogy. Bonney, Volcanoes.

Journals.

The Mineralogical Magazine. Bulletin de la Société française de Mineralogie. Neues Jahrbuch f. Mineralogie u. Geologie.

(B.) GEOLOGY.—Definitions—The Materials of the Earth's Crust. The General Structure and the Size of the Earth. The Density of the Earth. Comparison with other Heavenly Bodies. The Nebular Hypothesis. The Rotation of the Earth. The Effects of the Sun and Moon on the Earth. Underground Temperature. Temperature of the outer Crust. Temperature in the Past. Climate. Limitation of Geographical Regions. Process of Denudation. Air. Water. Ice. Process of Depositing. Stratification, Jointing, Dip, Strike, Contortion, Faults, Synclinal and Anticlinal Folds. The Clinometer. Volcanic Agencies.—Active Volcanoes, and Earthquakes. Igneous Rocks, Granites, Porphyries and Volcanic Rocks, Lavas, Tuffs, and Ashbeds. Configuration and Structure. Classification of Animals and Plants. General Distribution. Biological Theories. Systematic Stratigraphical Geology.

Text-Books.

Watt's Geology (Students are recommended to read Harrison's Elementary Geology early in the Session), or Geikie's Class-book, Lyell's Student's Elements, Wood's Palæontology.

Senior Students are advised to read:—Lapworth's Geology, Geikie's Class-book, and Woodward's Palæontology. Warr's Structural Geology and Cole's Practical Geology in the Laboratory should also be studied.

Works of Reference.

Etheridge and Seely—Geology. Prestwich—Geology. Kinahan—Geology of Ireland. Hull—Coalfields. Woodward—Palæontology of Vertebrates. Schimper—*Traité de Palæontologie Végétale*. Greene's Geology. Jukes Browne—Geology. Zittel—Palæontology. Lapparent's Geology. Bonney—Story of our Planet. Scott—Studies in Fossil Botany. Jukes Browne—Stratigraphical Geology.

Journals.

The Geological Magazine. Palæontologie française. Quarterly Journal of the Geological Society. The Transactions of the Palæontological Society.

(C.) PHYSICAL GEOGRAPHY.—The Earth. General Geographical Considerations, Continents, Islands, Varieties of Land Surfaces, Proportion of Land to Water, Rivers, Lakes, Water in Interior of Earth, Snow, Ice, The Atmosphere, Winds, Climate, Weather, Volcanoes, Earthquakes.

Text-Books.

Geikie (to be read early), Mill's Realm of Nature, Gregory's Physical Geography.

Books recommended to Honour and Senior Students:—The advanced Text-books of Thornton and Simmon.

Works of Reference.

Sir Wyville Thompson's Voyage of the Challenger, Wallace's Australasia, Wallace's Island Life, Darwin's Beagle, Stansford's Compendium, Réclu's Universal Geography; also the works of Baker, Burton, Cameron, Cook, Kane, Livingstone, M'Clintock, and M'Clure. Prevalsky—Mongolia.

Journals.

The Geographical Journal, Geographical Magazine, Journal of the Geographical Society of London.

THE MUSEUM OF MINERALOGY AND GEOLOGY.

The Museum, founded by the late Professor King, contains a series of Fossils illustrating the Geological Formations. The Museum contains also a large collection of Minerals and Ores, and a small Chemical Cabinet.

Instruments have been provided for the use of Senior Students and for Class Purposes, including a Goniometer, a Clinometer, a Spectroscope, and an apparatus to illustrate Crystalline forms. A large Globe and several Maps, with the Land Surfaces in relief, are at the disposal of Students.

Newton's large Revolving Lantern, with Microscopic, Vertical, and other attachments has been placed in this Museum. A second Lantern, which is supplied with numerous slides, is placed in the larger room.

Senior Students are permitted to work in the Museum on one or two days in each week.

There are numerous microscopic specimens of Minerals and Rocks in this Museum.

 X.—MODERN LANGUAGES.

FRENCH, GERMAN, ITALIAN.

VALENTINE STEINBERGER, M.A., F.R.U.I.

Assistant (1906-7)—JANET H. PERRY, B.A.

There are three Classes, for Students of the First, Second, and Third Year of their Academical Course. In each of these Classes separate Lectures for Pass and Honour Candidates will be given. The different Classes meet at the hours set down in the Time Table (pp. 27, 28, above). The Lectures are arranged to suit the requirements of Students preparing for the several Examinations in the Royal University and for similar Examinations.

Pass Classes.

The work of these Classes is conducted by Lectures on Grammar and (in the Second and Third Year) on the Elementary History and some particular period of Literature of the language, by translations from and into English, by written exercises and examinations.

Honour Classes.

The Course of Instruction comprises advanced Composition, Translation, Critical Readings, and (in the Second and Third Year) Lectures on the History and Literature of the Romance and Teutonic languages.

Instruction in the Third Year Honour Class is conveyed in the vernacular of the language which is being studied.

M.A. Class.

A Class may be arranged with the Professor for Students reading the Course in Modern Languages for the M.A. Degree in the Royal University.

CELTIC.

Lecturer (1906-7)—STEPHEN J. McDONAGH, B.A.

XI.—JURISPRUDENCE AND POLITICAL ECONOMY.

See Faculty of Law, pp. 61, 62.

XII.—PHYSIOLOGY.

For Course see Faculty of Medicine, page 70.

III.—COURSES FOR SCHOLARSHIP EXAMINATIONS

SESSION 1906-1907.

No Candidate can take Celtic as a subject at any of the Scholarship Examinations unless he has given the Registrar notice of his intention at least six weeks before the date of Examination.

For Regulations see pp. 15-19. For dates of Examinations see pp. 22, 23.

I.—JUNIOR SCHOLARSHIPS OF THE FIRST YEAR.

A.—LITERARY SCHOLARSHIPS.

Subjects:

- i. *Latin*.
- ii. At least **one**, but not more than **two**, of the following languages:—
Greek, French, German, Italian, Celtic.
- iii. *English*.

Detailed Courses:

The maximum mark is attached to each subject, and no mark under one-fifth of this is taken into account.

- i. *Latin* (150), . Livy—*Book xxv*.
Horace—*Odes*, Book ii. (omitting 4, 5, 8, 11, 12),
and *Epistles*, Book i.
Cicero—*De Amicitia* and *De Senectute*.
Vergil—*Georgics*, Book iv.
Passages from unprescribed works.
A paper on Latin Grammar.
Roman History—133-65 B.C. (Student's Rome).
Latin Prose Composition.
- ii. { *Greek* (150), . Homer—*Odyssey*, ix., x.
Euripides—*Alcestis*, omitting lyric portions.
Plato—*Apology* and *Crito*.
Xenophon—*Hellenica*, i., ii.
Unprescribed passages for translation.
Prose Composition.
Grammar.
History, from 479 to 399 B.C. (Bury's larger
History of Greece, or *The Student's Greece*, revised
edition).

- ii. { *French* (100), . Erckmann-Chatrion—*Le Conscrit*.
Coppée—*Le Luthier de Crémone*.
Delavigne—*Les Enfants d'Edouard*.
French Grammar. Translation from English into
French.
Oral Examination.
- German* (100), . Schiller—*Balladen*, viz. *Das Siegesfest, der Ring
des Polykrates, die Kraniche des Ibycus, der
Taucher, Ritter Toggenburg, Graf von Habsburg*,
Kohlrausch—*Das Jahr 1813*.
Keller—*Kleider machen Leute*.
German Grammar. Translation from English
into German.
Oral Examination.
- Italian* (100), . Machiavelli—*Istorie Fiorentine*, Books i. and ii.
Alfieri—*Saul*.
Tasso—*Gerusalemme Liberata*, Cantos i., ii., iii.
Italian Grammar. Translation from English
into Italian. Oral Examination.
- Celtic* (100), . *Eachtra Lomnochtain an t-Sléibhe-Riffe* (Mac Neil).
Oidhe Chloinne Lir.
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Grammar and Composition.
- iii. *English* (100), . Wordsworth—*Excursion*, i., ii.
Thackeray—*English Humourists*: Addison, Steele,
Goldsmith.
Shakespeare—*Richard II*.
English Grammar and Composition.

B.—SCIENCE SCHOLARSHIPS.

Arithmetic—

Subjects:

Including Vulgar and Decimal Fractions, Proportion and its applications, and the extraction of the Square Root.

Algebra—

Including the Solution of Simple and Quadratic Equations, Progressions, Permutations and Combinations, the Binomial Theorem for a positive Integral exponent, the nature and use of Logarithms, Graphical methods, Representation of the simpler algebraic Functions by Curves, Problems.

Geometry—

The subject-matter of Euclid's *Elements*, Bks. i.—vi. Deductions. Questions will be set which involve the elements of Geometrical Drawing. Candidates should provide themselves with a hard-pointed pencil, compasses, ruler graduated in centimetres (or in inches and tenths). Two small set-squares (45° and 60°) will be allowed, but are not indispensable.

Plane Trigonometry—

So far as to include the Solution of Triangles. Problems. The use of Logarithmic and Trigonometrical Tables.

II.—JUNIOR SCHOLARSHIPS OF THE SECOND YEAR.

A.—LITERARY SCHOLARSHIPS.

Subjects:

- i. *Latin*.
- ii. At least **one**, but not more than **two**, of the following languages:—
Greek, French, German, Italian, Celtic.
- iii. *English*.

Detailed Courses:

The maximum mark is attached to each subject, and no mark under one-fifth of this is taken into account.

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| <p><i>Latin</i> (200),</p> | <p>Vergil—<i>Aeneid</i>, vi., vii.
Ovid—<i>Fasti</i>, i., ii.
Livy—<i>Book xxvi</i>.
Cicero—<i>Pro Marcello</i>, <i>p. Ligario</i>, <i>p. Deiotaro</i>.
Translation at sight.
Latin Prose Composition, and Questions on Grammar and Philology.
Roman History—from B.C. 216 to B.C. 167. (Mommsen, vol. ii., Book iii., chaps. 3–8).
Literature—<i>The Augustan Age</i> (Student's Companion to Latin Authors, chap. iii.).
Mackail's <i>Latin Literature</i>, chap. ii.</p> |
| <p>ii. {</p> | <p><i>Greek</i> (200),</p> <p>Homer—<i>Iliad</i>, viii., ix., x., xi.
Euripides—<i>Orestes</i>.
Herodotus—<i>Book vi</i>.
Plato—<i>Republic</i>, i. ii.
Unprescribed passages for translation.
Prose Composition.
Grammar.
History, down to 478 B.C. (Bury's larger <i>History of Greece</i>, or <i>The Student's Greece</i>, revised edition).
Antiquities—Gow's <i>Companion</i>, x., xi., xix.
Literature: the Homeric Poems. [Jebb's <i>Introduction to Homer</i>, or Mahaffy's <i>Greek Literature</i>, vol. i., Part i., chaps 2, 3, 4, 5.]</p> |
| <p><i>French</i> (150),</p> | <p>Sandeau—<i>Sacs et Parchemins</i>.
Labiche—<i>Le Voyage de Monsieur Perrichon</i>.
Corneille—<i>Polyeucte</i>.
Questions on the Works and Lives of the Authors prescribed.
French Grammar.
Translation from English into French.</p> |

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| ii. | { | German (150), . | Uhland— <i>Ausgewählte Gedichte</i> (Macmillan).
Heine— <i>Die Harzreise</i> .
Goethe— <i>Hermann and Dorothea</i> .
German Grammar.
Translation from English into German.
Questions on the Works and Lives of the Authors prescribed. |
| | | Italian (150), . | Manzoni— <i>I Promessi Sposi</i> .
Goldoni— <i>La Locandiera</i> .
Ferrari— <i>Antologia della lirica moderna italiana</i> .
Italian Grammar.
Translation from English into Italian.
Questions on the Works and Lives of the Authors prescribed. |
| | | Celtic (150), . | <i>The Love Songs of Connacht</i> (text of the poems only).
<i>The Fate of the Children of Tuireann</i> .
Translation into Irish Prose.
Keating— <i>Óionbholúac</i> .
Irish Grammar and Idioms.
History of Ireland from the commencement of Danish incursions to the reign of Henry II. (inclusive). |
| iii. | { | English (150), . | Shakspere— <i>Macbeth</i> .
Pope— <i>Prologue to Satires and Epistles; Epistle to Augustus</i> .
Johnson— <i>Life of Pope</i> .
Gray— <i>Elegy; Odes on Eton, The Progress of Poesy, The Bard</i> .
Addison— <i>Spectator Club</i> , omitting 1, 12, 34, 105, 131, 295, 530, 549, 550. <i>Critical Papers</i> , omitting 63-592, and 165, 253 (Arnold's edition).
History of English Literature from 1688 to 1790.
English Composition. |

B.—SCIENCE SCHOLARSHIPS.

Subjects :

(1.) MATHEMATICS.

The Course appointed for Science Scholarships of the First Year, and in addition the following :—

Algebra—

Nature and Simpler Transformations of Equations. Determinants of the Third Order.

Geometry—

Elements of Solid Geometry—Euclid's *Elements*, Book xi., Propositions 1 to 21, inclusive, with easy deductions from them; Elementary Properties and Mensuration of the Prism, Pyramid, Cone of Revolution and Sphere. Elements of Geometrical Drawing (instruments as for First Year Science Scholarships).

Trigonometry—

Plane Trigonometry (including Mensuration of Plane Figures, Determination of Heights and Distances, Properties of the Circumscribed, Inscribed, and Escribed Circles, and the Use of Tables).

Analytical Geometry—

Discussion of the Equations of the Right Line and Circle in Cartesian Coordinates; Equations of the Conic Sections, deduced from their Geometrical Definitions, with their Elementary Properties. Easy Problems.

Differential Calculus—

Differentiation of Algebraic and Trigonometrical Functions of a single variable; Easy applications to tangents and normals of plane curves; Maxima and Minima of Functions of a single variable.

(2). EXPERIMENTAL PHYSICS.

The Elementary Principles of Mechanics, Hydrostatics, Pneumatics, Sound, Heat, Light, Electricity and Magnetism.

III.—JUNIOR SCHOLARSHIPS OF THE THIRD YEAR.

A.—LITERARY SCHOLARSHIPS.

Subjects:

- i. *Latin.*
- ii. At least **one**, but not more than **two**, of the following languages:—
Greek, French, German, Italian, Celtic.
- iii. *English.*
- iv. (Optional) *Logic.*
- v. (Optional) *History.*

Detailed Courses :

The maximum mark is attached to each subject, and no mark under one-fifth of this is taken into account.

- i. *Latin* (200), . Tacitus—*Dialogus*; *Histories*, Books iii., iv., v.; Juvenal—*Satires*, 7, 8, 12, 13, 14; Cicero—*In his Letters*, xli. to lxxx. (Tyrrell's edition); *Tusc. Disp.* v.; Lucretius—*Book iii.*; Martial (Macmillan), *Epigrams* v.—viii.
 Translation at Sight.
 Latin Prose Composition, and questions on Grammar and Philology.
 Roman History—The period from 31 B.C. to 68 A.D. (Bury—*Student's Roman Empire*, chaps. 1 to 18, omitting chaps. 4, 6, 7, 8).
 Literature—Mackail—*Latin Literature*; Sellar—*Roman Poets of the Republic*, chaps. i, ii, x, xi, xiv.
- Greek* (200), . Sophocles—*Oedipus Rex* and *Antigone*.
 Theocritus—*Idylls* 1, 2, 3, 6, 7, 9, 10.
 Andocides—*De Mysteriis*; *De Reditu*.
 Plato—*Phaedo*.
 Unprescribed passages for translation.
 Prose Composition.
 Grammar.
 History, 478 to 404 B.C. [Bury's larger *History of Greece*, or *The Student's Greece*, revised ed.]
 Literature and Antiquities—Jevons' *History of Greek Literature*, Part i., Book iii.; Haigh's *Attic Theatre*.
- French* (150), . Boileau—*L' Art Poétique*.
 Molière—*Les Femmes Savantes*.
 Corneille—*Le Cid*.
 Hugo—*Quatre-vingt-treize*.
 Merlet—*Etudes littéraires*—Corneille, Racine, Molière, Boileau.
 Translation from English into French.
 Darmesteter—*Histoire de la langue française, première partie (phonétique)*.
- German* (150) . Schiller—*Wallensteins Lager*; *Die Piccolomini*.
 Goethe—*Wahrheit und Dichtung*, i. ii.
 Lessing—*Minna von Barnhelm*.
 Behaghel—*Historical Grammar of the German Language*, up to page 87.
 Translation from English into German.
 German Literature—Kluge, sections 41–57.
- Italian* (150), . Petrarca—*I Trionfi*.
 Alfieri—*Oreste*.
 Machiavelli—*Istorie Fiorentine*, Bks. i.–iv., incl.
 Dante—*Inferno*.
 Demattio—*Grammatica Storica della lingua Italiana, parte prima*.
 Translation from English into Italian.
 Fornaciari—*Litteratura Italiana*, chapters 1–9.
- ii. }

Detailed Courses (continued) :

- ii. (cont.) *Celtic* (150), *Diarmid and Grainne*.
Cach Ruir na Ríḡ (later version).
Translation into Irish Prose.
Irish Grammar and Idioms.
History of Ireland from Richard I. to Henry VIII. (inclusive.)
- iii. *English* (150), . Shakspeare—*Hamlet*.
Spenser—*Faëry Queene*, Book i.
Milton—*Paradise Lost*, i. and ii.
Bacon—*Essays*, i. to xxv. (omitting iii. viii., x., xvi., xvii.).
Sidney—*Defence of Poesie*.
History of English Literature, 1579–1616.
English Composition.
- iv. *Logic* (50) . Deductive Logic.
- v. *History* (50) . Freeman—*General Sketch*, from chap.v. to end.
History of England and Ireland, from 1603 to 1689.

B.—SCIENCE SCHOLARSHIPS.

Subjects :

- i. *Mathematics*.
- ii. *Mathematical Physics*.
- iii. *Experimental Physics*.
- iv. *Chemistry*.
- v. *Natural History*.
- vi. *Geology, Mineralogy, and Physical Geography*.

Candidates must answer in **two**, may answer in **three**, but not more, of the foregoing subjects.

Detailed Courses :

The maximum mark is attached to each subject.

- i. *Mathematics* (200), Algebra and Theory of Equations, including Infinite Series, Determinants, and the solution of Cubic and Biquadratic Equations.
Plane Geometry and Elementary Solid Geometry.
Plane and Spherical Trigonometry.
Analytical Geometry, including Homogeneous Coordinates, and the discussion of the General Equation of the Second Degree.
Differential and Integral Calculus.
- ii. *Mathematical Physics* (150), Mechanics, Hydrostatics, Geometrical Optics, and Astronomy, as treated by the simpler mathematical methods.

- iii. *Experimental Physics* (100), The Course for this Examination includes that for the Science Scholarship of the Second Year; but a more extensive knowledge of the subject is required. In addition Candidates are required to show proficiency in Physical Manipulation and Measurements. Schuster and Lee's Practical Physics is recommended.
- iv. *Chemistry* (100), Lecture Course prescribed for Arts Students of the Second Year. (See page 40.)
- v. *Natural History* (100), . Subject of Natural History Lectures and Practical Biology Demonstrations of Second Year Arts. Students are recommended to read A. Thomson's Zoology, M'Bride and Shipley's Zoology, Marshall and Hurst's Practical Biology, or Parker's Practical Zoology, and Bower's Practical Botany, Vines' Botany.
- vi. *Geology, Mineralogy and Physical Geography* (100), . . . Subjects of Geological Lectures delivered to Second Year Arts Students. Geikie's Class Book, or Lapworth's Geology. Dana's Class Book of Mineralogy. Gregory's Physical Geography, Mill's Realm of Nature.

IV.—SENIOR SCHOLARSHIPS.

For Regulations see pp. 15-17.

1.—ANCIENT CLASSICS.

- Greek,* Pindar—*Nemean Odes.*
 Aeschylus—*Agamemnon, Eumenides, Persae.*
 Aristophanes—*Knights, Frogs.*
 Thucydides, iv. v.
 Aristotle—*Poetics.*
 Unprescribed passages for translation.
 Prose Composition.
 Grammar and Philology.
 History: 404 to 322 B.C.
 Literature—The Lyric Poets.
 Antiquities—*Religion and War* (Gardner and Jevons, iii. and viii.).

E

Latin,

- Tacitus—*Annals*, i.-iv., inclusive.
- Lucretius—*Book iii.*
- Plautus—*Trinummus, Pseudolus.*
- Cicero—Tyrrell and Purser's *Correspondence of Cicero*, vol. i., Parts i. and ii.
- Vergil—*Aeneid*, iii., iv., vii.
- Horace—*Odes*, iii. iv.
- Tibullus (Postgate's Edition).
- Roman History—Mommsen, Vol. v., book v. chaps. 8-11.
- Giles—*Manual of Comparative Philology* (Parts i. and ii.)
- Cruttwell's *Roman Literature*, Book iii.
- Latin Prose Composition.
- Sellar—*Poets of the Republic*, chaps. 1-7.

2.—ENGLISH AND MODERN LANGUAGES.

- (i.) English, 100, .
- Chaucer—*The Prologue.*
 - Shakspeare—*Lear and Richard III.*
 - Wordsworth—M. Arnold's *Selections*, from p. 115, and Preface.
 - Byron—M. Arnold's *Selections* (including Preface).
 - Coleridge—*Lectures and Notes on Shakspeare* (Bohn's Series, pp. 183-242).
 - Coleridge—*Biographia Literaria*, ch. xiv. to ch. xxii.
 - Cowper—*Task*, Books i., iv., v.
 - History of English Literature, 1790-1850.
 - English Essay.
- (ii.) Any two of the following :—French, German, Italian, Celtic.
- French, 100, .
- Taine—*L'Ancien Régime*, ii., iii., iv.
 - Racine—*Iphigénie.*
 - Molière—*L'Avare.*
 - Buffon—*Discours sur le style.*
 - Darmesteter et Hatzfeld—*Tableau de la Littérature au seizième siècle.*
 - Darmesteter—*Histoire de la langue française, deuxième partie (Morphologie).*
 - Lanson—*Littérature française—Le XVII^e Siècle.*
 - Translation from English into French.
 - Essay in French.
- German, 100, .
- Schiller—*Die Braut von Messina.*
Wilhelm Tell.
 - Goethe—*First Part of Faust.*
 - Freitag—*Die Verlorene Handschrift*, Buch I.
 - Kluge—History of German Literature, sections 41-64.
 - Behaghel—History of the German Language, to page 87.
 - Translation from English into German.
 - Essay in German.

- Italian*, 100, Dante—*Il Purgatorio*.
 Parini—*Il Giorno*.
 Fogazzaro—*Piccolo Mondo Antico*.
 Tasso—*La Gerusalemme Liberata*.
 Manzoni—*Il Conte di Carmagnola*.
 Translation from English into Italian.
 Elements of the History of the Italian Language.
 History of Italian Literature from the death of
 Boccaccio to Tasso.
 Essay in Italian.
- Celtic*, 100, *The Poems of Egan O' Rahilly*.
 Cath Ruir na Ríḡ (older version).
 Prose Composition in Irish.
 Windisch's Irish Grammar.
 Strachan, *Selections from the Old Irish Glosses*.
 The Prosody of the Irish Language.
 History of Irish Literature in the seventeenth
 and eighteenth centuries.
 Essay in Irish.

3.—MATHEMATICS.

In addition to the Mathematical Course appointed for Science Scholarships of the third year:—

- Analytical Geometry of two and of three dimensions, including the elements of Higher Plane Curves.
 Differential and Integral Calculus, including applications to Geometry.
 Elementary Differential Equations.

For further details consult the B.A. Honours Course in the R.U.I. Calendar (1906).

4.—NATURAL PHILOSOPHY.

Mathematical Physics—

- Statics, with the Elementary Theory of Attractions.
 Dynamics of a Particle.
 The Elementary Principles of the Dynamics of Rigid Systems.
 Hydrostatics.
 Geometrical and Physical Optics.
 Spherical Astronomy.

Experimental Physics—

- The subjects treated in Everett's Translation of Deschanel's Natural Philosophy, Preston's Theory of Light, Preston's Theory of Heat, Fleming's Alternate Current Transformer, Part I., and Ewing's Magnetic Induction.

Candidates will be required to show a practical knowledge of the use of Physical apparatus.

5.—METAPHYSICS, POLITICAL SCIENCE, AND HISTORY.

- I. (A) *Elements of Ontology.*
 (B) *Elements of Psychology.*
- II. (A) *Political Science.*
 (B) *Jurisprudence—*
 Austin—*Jurisprudence* (Student's Ed.).
 Holland—*Jurisprudence.*
 Maine—*Ancient Law.*
 Early History of Institutions.
 Graham—*Political Philosophy.*
- (C) *Economics—*
 Marshall—*Elements of Economics*, vol. i. (Third Edition).
 J. S. Mill—*Political Economy* (Books iii. and v.).
 C. S. Devas—*Political Economy* (Second Edition).
 Gibbins—*Industry in England* (Second Edition).
 J. S. Nicholson—*Money* (Fifth Edition).
 G. Clare—*Money-market Primer* (Second Edition).
- III. *Modern History—*
 The History of Great Britain and Ireland, France, and Germany
 from 1588 to 1815.

6.—CHEMISTRY.

- (i.) *Theory of Chemistry—*inorganic and organic—

Books recommended :

- Holleman, *Inorganic Chemistry* (translated by Cooper).
 Roscoe and Schorlemmer's *Treatise on Chemistry*, non-metals and metals.
 Holleman—*Organic Chemistry* (translated by Walker).
 Richter—*Organic Chemistry* (translated by Smith).
 L. Meyer—*Outlines of Theoretical Chemistry* (translated by Bedson and
 Williams).
 Hjelt—*General Organic Chemistry* (translated by Tingle).
- (ii.) *Laboratory Experiments—*Qualitative and simple quantitative (volu-
 metric and gravimetric) analysis—

Books recommended :

- Clowes—*Practical Chemistry.*
 Clowes and Coleman—*Quantitative Analysis.*

7.—NATURAL HISTORY.

The Examination for the Senior Scholarship in Natural History will include the subjects of the Third Year Honour Course in Arts.

Candidates are advised to pay attention to the practical work.

FACULTY OF LAW.

Jurisprudence and Political Economy—JOHN H. WARDELL, M.A.
English Law—WILLIAM B. CAMPION, B.A., First Serjeant-at-Law.

I.—COURSE OF STUDY.

Courses of Twenty-four Lectures are delivered to each Class, commencing in the First Term, on days and hours to be arranged with the Professors.

The following Course of Study is prescribed :—

FIRST YEAR.—The Law of Real Property and the Principles of Conveyancing ; Jurisprudence.

SECOND YEAR.—Equity, Personal Property, Contracts, and Bankruptcy ; Civil Law.

LAW CLASSES.

FIRST YEAR. — *Jurisprudence*. — Course of Twenty-four Lectures in the First and Second Terms.

Books Recommended.

Holland—Jurisprudence.
Austin—Jurisprudence (Student's edition).
Maine—Ancient Law.
Maine—Early History of Institutions.
Graham—Political Philosophy.

SECOND YEAR. — *Roman Law*. — Course of Twenty-four Lectures in the First and Second Terms.

Justinian—Institutes (Sanders).
Mackenzie—Studies in Roman Law.

ARTS CLASSES.

Pass.—Courses of Twenty-four Lectures during the First and Second Terms are delivered on :—

(a) POLITICAL ECONOMY.

Books Recommended.

Marshall—Elements, vol. i.
Devas—Political Economy.
Nicholson—Money.

Honours.—Additional Lectures supplementing the Pass Course.

Books Recommended.

J. S. Mill—Political Economy.
Ingram—History of Political Economy.
Gibbins—Industry in England.

(b) JURISPRUDENCE.—(Honour Course).

Books Recommended.

Holland—Jurisprudence.
Austin—Jurisprudence (Student's edition).
Maine—Ancient Law.
Maine—Early History of Institutions.
Graham—Political Philosophy.

II.—EXAMINATIONS.

JUNIOR SCHOLARSHIPS.

One (value £25) tenable by a Student of the **FIRST YEAR.**

Subjects :

Law of Property, &c.—

Williams—Real Property.
Goodeve—Modern Law of Real Property.

Jurisprudence—

Holland—Jurisprudence.
Austin—Jurisprudence (Student's edition).
Maine—Ancient Law.
Maine—Early History of Institutions.
Graham—Political Philosophy.

One (value £25) tenable by a Student of the **SECOND YEAR.**

Equity—

Snell—Principles of Equity.
White and Tudor—Leading Cases in Equity, vol. i

Law of Property, &c.—

Williams—Personal Property.
Smith—Lectures on the Law of Contract.

Jurisprudence and Roman Law—

Jurisprudence as for First Year's Scholarship.
The Elements of Roman Law.
Mackenzie—Studies in Roman Law.

Students intending to proceed for the Certificate of the Law Professors, so as to entitle them to serve an apprenticeship of *four* years instead of *five*, under the provisions of the Attorneys and Solicitors (Ireland) Act, 1886*, are required to enter their names with the Registrar, *either as Matriculated or Non-Matriculated* Students, and pay the necessary College and Class Fees to the Bursar before the commencement of the Law Lectures in each Session.

Such Students are required to attend all the Lectures and pass all the Examinations prescribed for the first and second years of the Course of Study for Candidates for the Diploma of Elementary Law.

For the Degrees of LL.B. and LL.D., see Regulations of Royal University (Appendix).

* Every person who, as a Matriculated or as a Non-Matriculated Student of the University of Dublin or of any of the Queen's Colleges in Ireland, shall have attended or shall attend any prescribed Lectures, and shall have passed or shall pass any prescribed Examinations of the Professors of the Faculty of Law in the said University of Dublin or in any of the said Queen's Colleges, for a period of Two Collegiate Years, and who shall have duly served as an Apprentice under Indentures for the term of four years, in like manner as by this Act provided respecting the service for the term of five years, shall at any time after the expiration of five years from the commencement of such attendance on Lectures, or of such period of service, which shall first happen, be qualified to be sworn and to be admitted as an Attorney or Solicitor respectively, according to the nature of his service, of the several and respective superior Courts of Law or Equity in Ireland, as fully and effectually to all intents and purposes as any person having been bound and having served five years is qualified to be sworn, and to be admitted or enrolled and registered an Attorney or Solicitor under or by virtue of this Act.—EXTRACT.—29 & 30 Victoria, cap. 84.

FACULTY OF MEDICINE.

I.—COURSE OF STUDY AND EXAMINATION.

The attention of Students is specially directed to the absolute necessity for their being registered with the Branch Medical Council not later than fifteen days after the commencement of those Courses of Lectures, certificates of attendance on which they have to produce.

No student can be registered until he has passed the *Preliminary Examination in General Education* required by the General Medical Council, or one of the other examinations recognised as qualifying for registration, among which are included :—

The Matriculation Examination of the Royal University. (Certificate to include the required subjects.)

The Preliminary Examination of the Royal College of Surgeons of Ireland. (The required subjects to be passed at one time.)

Intermediate Education of Ireland :—

Middle Grade Examination. (The required subjects to be passed at one time.)

Senior Grade Examination. (Certificates to include the required subjects.)

The Preliminary Examination in General Education, required to be passed previous to Registration as a Medical Student, shall be as follows :—

(1) ENGLISH LANGUAGE, including Grammar and Composition ; A short Essay and Paraphrase.

(2) LATIN, including Grammar, Translation from specified authors, and translation of passages not taken from such authors.

(3) ELEMENTS OF MATHEMATICS, comprising—

(a) Arithmetic.

(b) Algebra, including Simple Equations.

(c) Geometry, including Euclid, Books I., II., III., with questions on the subject-matter of the same.

(4) One of the following Optional Subjects :—

(a) Greek ; (b) French ; (c) German ; (d) Italian ; (e) Irish ;
(f) Dutch.

The Curriculum extends over at least five years, and comprises the following* :—

COURSE OF STUDY.

Natural Philosophy.	Practical Physiology.
Practical Physics.	Materia Medica and Pharmacy.
Chemistry.	Theory and Practice of Surgery.
Practical Chemistry.	Obstetrics and Gynæcology.
Botany with Herborizations for practical study, and Zoology.	Theory and Practice of Medicine.
Anatomy and Physiology.	Medical Jurisprudence.
Practical Anatomy.	Pathology.

The Courses prescribed to Scholars of the several years are given on pp. 76–80.

II.—TIME TABLE OF LECTURES.

Subjects.	Months.	Mon.	Tues.	Wed.	Thrs.	Fri.	Sat.
Natural Philosophy, . . .	SIX	—	12	—	12	—	12
Practical Physics, § . . .	—	9	—	—	—	9	—
Chemistry (Pass and Honour),	SIX	12	—	12	—	12	—
Practical Chemistry (Pass or Honour),	THREE	3	—	3	—	3	—
Botany and Zoology, † . . .	SIX	2‡	3	2‡	3	2‡	3
French,	SIX	—	10	—	10	—	10
German,	SIX	—	—	9	—	—	9
Physiology,	SIX	9	9	9	9	9	—
Anatomy,	SIX	1	1	1	1	1	—
Practical Pharmacy, . . .	THREE	—	3	—	—	—	3
Materia Medica,	THREE	—	2	—	2	—	2
Anatomy,	SIX	1	1	1	1	1	—
Practical Physiology, and } Practical Histology, }	THREE	2	—	2	—	2	—
Medicine,	SIX	—	2	—	2	—	2
Surgery,	SIX	—	12	—	12	1 ^o	—
Midwifery,	SIX	2	—	2	—	—	—
Medical Jurisprudence, .	FOUR	12	—	12	—	—	—

Lectures in *Toxicology* (Four Months) and *Pathology* (Three Months) are given at hours to be arranged.

* The Regulations of Licensing Bodies whose requirements differ from the above Curriculum may be learned on application to the Professors of the Faculty of Medicine.

† Students taking Practical Biology and Natural History are admitted to both Classes on payment of a fee of £3.

‡ These Lectures, which constitute a second course of Biology (II.), are delivered in the last week of November, and in December, January, and February. Students may attend these lectures alone, and obtain a certificate.

§ The Class in Practical Physics begins at the beginning of the Second Term, and lasts till the end of the Session.

Attendance on Lectures is strictly obligatory.

The Lectures of the Professors in the Medical School of Queen's College, Galway, and the Clinical Instruction in the Galway Hospitals, are recognised as qualifying for the Diplomas of the Royal Colleges of Physicians and Surgeons of Ireland, England, and Scotland, and for the Medical Degrees of the University of London, and the Royal University of Ireland.

III.—CLINICAL TEACHING.

Clinical Teaching is carried on in THE GALWAY HOSPITAL, established as a Public General Hospital (in the place of the County Galway Infirmary) by Act of Parliament (1892).

The appointment of the Medical Staff being vested, by the Act, in the Local Government Board, that Board has made the following appointments :—

Physicians—

PROFESSOR KINKEAD.

PROFESSOR LYNHAM.

Surgeons—

PROFESSOR PYE.

PROFESSOR COLAHAN.

PROFESSOR BRERETON.

Gynæcologist—

PROFESSOR KINKEAD.

The interests of Students are expressly recognised and secured by section 2 of the Act, which provides that—

“The Hospital shall be available as a Clinical School for Medical Students attending the Queen's College, and such Students may attend the Hospital at such times, and subject to such regulations, as may be prescribed.”

For further information application may be made to—

PROFESSOR PYE,

*Hon. Secretary of the Medical
Staff of Galway Hospital.*

In addition to this, the GALWAY FEVER HOSPITAL* is open to Students of the Clinical Class.

* The Royal University and other Licensing Bodies require a certificate of attendance for three months at an hospital devoted to the treatment of fever.

Medical Officers—

PROFESSOR COLAHAN.

MICHAEL J. McDONAGH, M.B.

*Apothecary—*N. GREALY, L.R.C.S., L.R.C.P. EDIN.

Here opportunities are afforded for studying the various forms of Fever and Zymotic disease admitted during the College Session.

The Medical Faculty has also made arrangements with the Medical Officers for the admission of Students to the GALWAY UNION HOSPITAL.

Medical Officers—

PROFESSOR COLAHAN.

MICHAEL J. McDONAGH, M.B.

*Apothecary—*N. GREALY, L.R.C.S., L.R.C.P. EDIN.

This Hospital affords an extensive field for the study of all classes of disease, acute and chronic. A special ward is set apart for the diseases of children, in which Students will have an opportunity of studying this important class of cases.

Students whose names are on the Clinical Roll of THE GALWAY HOSPITAL may attend any of the above-named Institutions without further charge.*

VACCINATION.

The Local Government for Ireland has issued an Order defining the qualifications necessary for holding appointments as Medical Officers of Dispensary Districts in Ireland.

That, in addition to the Degree or Diploma in Medicine, Surgery, or Midwifery, as heretofore prescribed, Medical Practitioners qualifying for the above appointments after the 1st May, 1906, must "have obtained a certificate of proficiency in Vaccination given under such conditions as the Local Government Board may from time to time approve, by some person authorised to give such certificates and recognised by the Local Government Board, and by whom such person shall have been duly instructed and examined in the practice of Vaccination."

* For further information as to the arrangements for clinical teaching (which are liable to alteration) application should be made to Professor Pye, Hon. Sec. of Medical Staff of Galway Hospital.

One of the authorised teachers of Vaccination in Ireland recognised by the Local Government Board is,

DR. MICHAEL M'DONOUGH, Medical Officer, Galway.

“The Board have arranged that each course of instruction in Vaccination shall extend over a period of at least six weeks. Six attendances will be required from each student, and four of the attendances must be given in consecutive weeks. Furthermore, before the grant of his certificate of proficiency, the student must pass an examination in the subjects of the lectures delivered by the teacher during the course of instruction, and must also show practical knowledge and skill in the performance of the operation of Vaccination.”

IV.—COURSES OF LECTURES.

I.—NATURAL PHILOSOPHY.

For Courses see Faculty of Arts, p. 36.

II.—CHEMISTRY.

ALFRED SENIER, PH.D.

Demonstrator (1906-7)—ARTHUR J. W. COMPTON, B.A.

(1) LECTURE COURSE.

First Year Course for Pass and Honours. Inorganic and Organic Chemistry.—The class meets at 12 o'clock on Mondays, Wednesdays, and Fridays throughout the Medical Session. The Lectures embrace a consideration of the leading facts of Inorganic and Organic Chemistry, and include both the Pass and Honour subjects required for the First Examination in Medicine of the Royal University, or for other corresponding Examinations.

About forty Lectures are devoted to a detailed study of the non-metallic elements, their reactions, and the constitution of the compounds they form. The general facts established are then reviewed, including the weight and volume relation in chemical reactions, the molecular hypothesis, the atomic hypothesis, and the relative weight of molecules and atoms. The leading metals and their more important compounds are briefly considered, and the remaining Lectures are devoted to Elementary Organic Chemistry, embracing the general methods of study of organic compounds, their

identification, qualitative and quantitative composition, the constitution of molecules, isomerism, and including the reactions of the chief members of the fatty and aromatic groups.

(2) LABORATORY COURSES, PRACTICAL CHEMISTRY.

Second Year Course for Pass.—This course consists of about forty Lectures of two hours each, commencing early in the first term, and ending at the close of the second term. The class works from 3 to 5 o'clock on Mondays, Wednesdays, and Fridays. The experiments are adapted to the requirements of the Pass Second Examination in Medicine of the Royal University, and of other corresponding Examinations. A *Second Year Six Months' Course for Honours*, adapted to the Honour Second Examination in Medicine of the Royal University, will be arranged for Students who desire it.

(3) TEXT-BOOKS.

For Lecture Course.—Newth, Inorganic Chemistry; Holleman, Inorganic Chemistry (trans. Cooper); or Richter, Inorganic Chemistry (trans. Smith); Turpin, Organic Chemistry, and Perkin and Kipping, Organic Chemistry (vol. ii.); Holleman, Organic Chemistry (trans. Walker); or for Elementary Examinations, Luff and Page, Manual of Chemistry.

For Laboratory Courses.—Clowes and Coleman, Elementary Qualitative Analysis, or Clowes, Practical Chemistry; also Rideal, Practical Organic Chemistry.

III.—NATURAL HISTORY.

For Courses see Faculty of Arts, p. 43.

IV.—MODERN LANGUAGES.

For Courses see Faculty of Arts, p. 48.

V.—ANATOMY AND PHYSIOLOGY.

JOSEPH P. PYE, M.D., M.CH., D.SC., F.R.U.I.

Senior Scholar, Lecturer and Demonstrator in Anatomy

(1906-7)—EDWARD DOWLING, B.A.

Assistant in Practical Physiology (1906-7)—

THOMAS WALSH, B.A., M.B., B.CH., B.A.O.

A. The Course laid down for Students in ANATOMY comprises :—

(a) *Descriptive Anatomy*.—A Course of Systematic Lectures on the Human Body. In the First Term, Osteology and Arthrology are taken up, and special attention is paid to the cultivation of a power of accurate observation and precise description.

Later on, more attention is gradually directed to the Topographic Anatomy of regions that are of medical or surgical importance.

The dissections for these Lectures are made by Prosectors appointed from amongst the best Students.

Casts, plates, and permanent dissections are used, sparingly at first, to a larger extent towards the end of the Course.

(b) *Dissections*, made by each Student independently, under the supervision of the Professor and Demonstrator. The Students are advised to learn Topographic Anatomy by means of a series of mental pictures; and, in order to secure vivid pictures, it is pointed out that careful and methodical dissections must be made.

The results of dissections are compared with the special information obtained by frozen sections, as well as with surface Anatomy of the living body, and the knowledge of its deeper organs obtained by auscultation and percussion.

B. In PHYSIOLOGY three Classes are formed:—Junior, Senior, and Practical.

To the *Junior Class* Lectures are delivered on Histology, elementary development, simpler functions of tissues (General Physiology), functions of Nutrition. A special account is given of the structure and functions of muscle and nerve.

In the *Senior Class* the highest animal functions are taken first, beginning with a study of the nervous system and organs of sense.

The great facts of Physiology are studied by an examination of the original evidence, and, when practicable, by a repetition of the experiments that establish them.

For this purpose special portions of Physiology are taken each year.

The *Practical Class* meets in the second and third terms, on three days weekly. Each meeting occupies two hours. A separate table in the Laboratory is provided for each Student. In succession the Students undertake:—

I. PRACTICAL HISTOLOGY.—A Microscope and accessories are at the disposal of each Student.

About 60 preparations of the tissues and organs are made, which become the property of the preparer.

II. PRACTICAL EXPERIMENTAL PHYSIOLOGY.—The phenomena of muscle and nerve, of circulation and respiration, and of the sense organs, are studied experimentally.

III. PRACTICAL CHEMICAL PHYSIOLOGY.—Analyses of the various animal substances and fluids referred to in the General Course of Lectures are made by each Student, special attention being paid to work that is important from a clinical point of view.

A dark room for photographic work and for the use of the Laryngoscope and Ophthalmoscope is in readiness.

The *Laboratory* contains an excellent collection of instruments used in physiological work.

MUSEUM.

To the Physiological Department is attached the Museum of Human and Comparative Anatomy. The preparations in this Museum are arranged in physiological series according to functions of organs.

They form a valuable addition to the teaching facilities in Physiology; enabling the Professor to illustrate his Lecture by extended references to Comparative Physiology.

This Museum was founded by the late Dr. CROKER KING, some time Professor of Anatomy and Physiology in this College, afterwards Medical Commissioner of the Local Government Board. It was remodelled and enlarged by his successor in the Chair, PROFESSOR CLELAND, F.R.S., now Professor of Anatomy in the University of Glasgow. To Professor Cleland the College is indebted for many valuable specimens which form a permanent record of his work here.

VI.—PRACTICE OF MEDICINE.

JOHN I. LYNHAM, M.D., M.CH., M.A.O., F.R.U.I.

Six Months' Course.

On Tuesdays, Thursdays, and Saturdays, at 2 o'clock. The Course is divided into two parts. The first comprises a general introduction to the study of Medicine, and a series of Lectures on the classification of diseases; the general principles of ætiology, semeiology, diagnosis, and therapeutics; the method of clinical examinations; body temperature, and pulse in disease, and kindred subjects.

In the second and longer portion, the specific infections and constitutional diseases, and the diseases of the various systems and organs of the body, are taken up in regular order. The morbid anatomy and pathology, the symptoms, course, duration, and treatment are reviewed; and in addition, the causation, complications, and sequelæ, prognosis, vital statistics, differential diagnosis, prophylaxis, &c., receive attention.

The Lectures are illustrated by pathological preparations—both macroscopic and microscopic—apparatus, instruments, drawings, &c.; and the Professor, being one of the Physicians to the Galway Hospital, has an excellent opportunity of demonstrating to the Class the facts and methods treated of in the Lectures.

Examinations are frequently held during the Session, and by this means attention is paid to the progress of each member of the Class.

VII.—SURGERY.

WILLIAM W. BRERETON, L.R.C.S.I., M.R.C.P.I.

The Surgical Lectures are delivered by the Professor of Surgery, at the College, on three days each week during the Session.

During the *First Term*, inflammation, general Surgical diseases, theory of treatment of wounds, &c., furnish the subjects of the Lectures. The class-books recommended are "Walsham's Surgery," "Erichsen's Surgery," and "Green's Pathology."

Early in the *Second Term*, fractures and dislocations form the subject of the Lectures, where much assistance is given by dry specimens of bones, both normal and abnormal.

Special injuries and surgical diseases form the subjects of Lecture during the remainder of the Session.

Treves' System of Surgery and Cassell's Clinical Manuals in connection with the subjects of the Lectures are recommended.

Surgical instruments are shown in connection with the Lectures, so as to give the Students the opportunity of learning the special use of each instrument.

At the termination of the Session an Examination is held, the questions being taken from different portions of the Course, and prizes given for high answering.

VIII.—MATERIA MEDICA.

NICHOLAS W. COLAHAN, M.D., M.CH.

Lectures are delivered at 2 P.M. on Tuesdays, Thursdays, and Saturdays. The Course comprises a study of the Drugs, organic and inorganic, of the British Pharmacopœia, and a review of the more important Drugs that are not officinal.

The earlier Lectures include a study of :—

1. The general method of classifying drugs.
2. The sources and natural conditions of medicines.
3. The selection and collection of medicines.
4. The active principles of medicines derived from the vegetable kingdom.
5. The modes of administration of drugs.
6. The several circumstances that influence the action of drugs on the system.
7. Prescription-reading and prescription-writing.

Several Lectures are next devoted to a critical study of the Official Pharmacopœia.

The succeeding Lectures include the study of individual drugs, organic and inorganic, according to a pre-arranged therapeutical grouping, and after the following method :—Source (geographical, botanical); characters and tests; impurities and incompatibilities; preparations and doses; therapeutic value.

At the commencement of each Lecture the Class are examined on the previous day's work.

THE MUSEUM is enlarged and replenished from year to year, so that the drugs exhibited may be as fresh and characteristic as possible, and contains a complete set of the official drugs, and an extensive collection of drugs not official. These are

exhibited to Students during Lecture, and ample opportunity is given them to investigate the physical properties and characteristic appearance of each specimen.

Text-Books.

Whitla—*Pharmacy, Materia Medica and Therapeutics* (6th edition):
White—*Materia Medica, &c.*; Mitchell Bruce—*Materia Medica, &c.*:
F. T. Roberts—*The Official Materia Medica*; C. L. Semple—*Elements of Materia Medica*.

Works of Reference.

Ringer—*Therapeutics*; Farquharson—*Guide to Therapeutics*; Binz—*Elements of Therapeutics*; Lauder Brunton—*Pharmacology, Therapeutics and Materia Medica, Tables of Materia Medica*.

PRACTICAL PHARMACY.

Lectures commence early in the first Term, and continue for three months. Not less than two Lectures are delivered in each week on Tuesdays and Saturdays at 3 o'clock.

The new Laboratory is fitted up with all the appliances, and supplied with all the drugs necessary for a comprehensive study of the subject.

Each Student is expected to carry out personally the different manipulations and experiments suggested by the Professor in the course of study followed.

The earlier Lectures are devoted to a study of the more important pharmaceutical processes—

Sub-division of Drugs.

Weighing.

Measuring.

Sifting.

Elutriation, Suspension, Emulsions.

Solution (Pharmacopœial Solvents).

Crystallization, Evaporation, Precipitation, and Sublimation.

During the study of the above the Students are expected to prepare some of the more important pharmaceutical preparations involving the processes enumerated.

Attention is next directed to the study of incompatibility, after which several Lectures are devoted to the preparation of plants for pharmaceutical purposes, separation of active principles, &c.

The concluding Lectures are devoted to the practical study of prescribing, compounding, and dispensing.

The Professor, at the commencement of each Lecture, supplies the notes necessary for the day's work.

IX.—MIDWIFERY.

RICHARD J. KINKEAD, B.A., M.D.

1. *Obstetrics.*

The Course occupies six months, and covers:—Anatomy of pelvic organs, mechanism of delivery, conception, pregnancy (including diseases of pregnancy), abortion, normal and abnormal labour, obstetric operations, puerperal diseases.

Gynæcology.

Instruments; methods of examination; operations; and diseases peculiar to women.

Lectures are delivered on Mondays, Wednesdays, and Fridays, from 2 to 3 p.m., during the Session.

THE MUSEUM.

The important Museum, collected by the late Dr. MONTGOMERY, and purchased for this Department, contains many very valuable Physiological and Pathological specimens, models, and diagrams. A large collection of Obstetric and Gynæcological instruments has been added.

The Library of the Department is very complete, and to it are added each year, as they are published, the best books and journals on Obstetrics, Gynæcology, and Pædiatrics.

Text-Books.

Playfair's or Leishman's Midwifery.

Barnes—Obstetric Operations.

MacNaughton Jones—Diseases of Women.

Hart and Barbour—Diseases of Women.

Goodall—Lessons on Gynæcology.

Lawson Tait—Diseases of Women and Abdominal Surgery.

Kelly—Operative Gynæcology.

Jellett's Midwifery.

X.—MEDICAL JURISPRUDENCE.

Lecturers—PROFESSORS KINKEAD AND SENIER.

A. *Forensic Medicine*.—From 12 noon to 1 p.m. on Mondays and Wednesdays.

Poisoning, Suspicion and Symptoms of; Process of Law; Evidence; Signs of Death; Post-mortem Examinations; Crimes against the Person; Starvation; Suicide; Heat and Cold; Insanity, &c.

B. *Toxicology*.—At hours to be arranged with the Professor of Chemistry at the commencement of the Session. The Lectures are based on experiments made partly by the Lecturer and partly by the Students, and embrace the methods of detecting the leading poisons.

The *Library* in this department includes not only the standard works on Forensic Medicine, but those on Criminal Anthropology, on Public Health, Inebriety and Insanity. The *Law Library* is also available for reference.

Text-Books.

Luff's Text-Book of Forensic Medicine and Toxicology; Taylor's Medical Jurisprudence (Stevenson); Tidy's Legal Medicine; Guy and Ferrier's Medical Jurisprudence; Kinkead's Medical Practitioner's Guide.

XI.—FEVER.

Lecturer—PROFESSOR COLAHAN.

This Course of Lectures, including Clinical Instruction, will be delivered at days and hours to be arranged.

XII.—PATHOLOGY.

Lecturer (1906-7)—R. J. ROWLETTE, B.A., M.D.

The Course for 1905-1906 was for three months—two Lectures a week in Theoretical Pathology, and three meetings of the Class weekly in Practical Pathology.

The Laboratory is supplied with Microscopes, Apparatus, and Re-agents.

There is an extensive and valuable collection of Pathological preparations and specimens at the disposal of the Lecturer for use in the Class.

V.—COURSES FOR SCHOLARSHIP EXAMINATIONS

I.—FIRST YEAR SCHOLARSHIPS.*

For one Scholarship the Course is the same as that prescribed for the Literary Scholarships of the First Year; for the other Scholarship the Course is the same as that prescribed for Science Scholarships of the First Year, in the Faculty of Arts.†

A Scholar or Exhibitioner of the First Year shall attend the following Courses‡:—

Anatomy,	|	French or German.
Chemistry,		Natural Philosophy, treated
Natural History.		Experimentally.

II. SECOND YEAR SCHOLARSHIPS.

A Student, in order to compete for a Scholarship of the Second Year, must be Matriculated, and must be of one year's standing, and not more.

Subjects of Examination.

1. *Anatomy* (100).—Osteology and Arthrology; also the Myology of the Limbs.

Candidates may be examined on specimens placed before them.

2. *Chemistry* (100).—The First Year Lecture Course in Chemistry, for which see page 67.

3. *Natural History* (100).—Vertebrata and Invertebrata.

Structural and Physiological Botany; Principles of Classification; Characters of the more common Natural Orders.

* For Conditions of Tenure and for Exhibitions, see pages 17, 18, 20. By a recent regulation of the Council, all Scholarships and Exhibitions of the Second, Third, and Fourth Years may now be competed for by Students who have attained the requisite standing in any Medical School recognised by the College Council, and have passed the Entrance Examination in the College.

† See pages 50, 51.

‡ Scholars of the First Year shall be exempt from attendance on Lectures in French (or German), and Physics, who shall produce Certificates of (a) having passed a University Examination, which includes these two subjects, or (b) of having attended a Course of Lectures in these two subjects in any Institution recognised by the Council of this College. In place of French (or German), the Council may accept another language as an alternative.

4. *Natural Philosophy* (50).—Elements of Mechanics, Hydrostatics, Pneumatics, Acoustics, Optics, Heat, Electricity, and Magnetism, treated principally from an Experimental point of view.

5. *Practical Physics* (50).—The First Year Practical Course, see page 36.

And either of the following—

6. *French* (50).* *German* (50).*

For the Courses, see the Second Year Scholarship in Arts, pages 52, 53.

No mark under one-fifth of the maximum shall be taken into account in any subject.

Scholars or Exhibitioners of the Second Year shall attend the following Courses :—

Physiology.	|	Practical Anatomy.
Practical Chemistry (if not taken in the First Year).		Materia Medica.

III. THIRD YEAR SCHOLARSHIPS.

In order to compete for a Scholarship of the Third Year a Student must—

(a) Be Matriculated.

(b) Be of two years' standing and not more.

(c) Have attended in this, or some Medical School recognised by the College Council, Courses of Lectures in at least four of the following subjects :—

Anatomy and Physiology.	|	Practical Chemistry.
Chemistry.		Practical Anatomy.
Botany.		Materia Medica.
Zoology.		

* The Candidates may select either French or German. When entering his name with the Bursar, the Candidate shall declare the subjects which he selects for Examination.

Subjects of Examination.

1. *Physiology* (100).—Physiology of Muscle and Nerve, Organs and Functions of Digestion, Absorption, Circulation, Respiration, and Urination, together with the Blood and its Elaboration. The Examination will include practical work.

2. *Practical Anatomy* (100).—Joints, Muscles, Vessels, Viscera, and Brain.

During the Examination, Candidates may be called on to make dissections, or to describe structures placed before them.

3. *Materia Medica and Therapeutics* (100).—The Medicines and Compounds in the British Pharmacopœia. Candidates will be required to identify specimens and write prescriptions.

4. *Laboratory Experiments (Practical Chemistry)* (100).—The Second Year Laboratory Course for Pass described page 68.

No mark under 30 shall be taken into account in any subject.

A Student to whom a Third Year Scholarship has been awarded shall attend, during the year of his election, four at least of the following Courses:—

Anatomy and Physiology.	| Midwifery and Diseases of Women.	
Practical Anatomy.		Theory and Practice of Medicine.
Theory and Practice of Surgery.		Medical Jurisprudence.

IV. FOURTH YEAR SCHOLARSHIPS.

In order to compete for a Scholarship of the Fourth Year, a Student must—

(a) Be Matriculated.

(b) Be of three years' standing and not more.

(c) Have attended in this or some School recognised by the College Council, Lectures in Anatomy and Physiology, and three at least of the following Courses:—

Materia Medica and Therapeutics.	| Theory and Practice of Surgery.	
Medical Jurisprudence.		Obstetrics and Gynæcology.
Theory and Practice of Medicine.		

Subjects of Examination.

1. *Anatomy and Physiology* (100).—Functions of Cerebro-spinal Axis, Cranial Nerves, Sense Organs and Larynx. Analysis of Bile, Urine, Blood (including quantitative deter-

mination of Grape-sugar and Urea, and the use of the Spectroscope).

And *any three* of the following in which he has attended Lectures :—

2. *Materia Medica and Therapeutics* (100).—The Medicines and Compounds of the British Pharmacopœia, together with the Physiological action and Therapeutical effects of the following substances:—Iron, Mercury, Iodine, Arsenic, Aconite, Opium, Digitalis, Alcohol, Nux Vomica, Cinchona. [Candidates will be required to write prescriptions, and identify specimens.]

3. *Medical Jurisprudence* (100).—Abortion ; Wounds ; Insanity ; the Principal Poisons.

4. *Theory and Practice of Medicine* (100).—Diseases of the Digestive, Urinary, and Nervous Systems.

5. *Theory and Practice of Surgery* (100).—

1. Inflammation.
2. Surgery of Head.
3. Surgery of the Abdomen and Hernia.

6. *Obstetrics and Gynæcology* (100).—Normal and Abnormal Labour ; Obstetric operations ; Menstruation.

No mark under 30 shall be taken into account in any subject. When entering his name with the Bursar, the Candidate shall declare the subjects which he selects for Examination.

Scholars of the Fourth Year shall attend during the year of their election two at least of the following Courses, viz. Medicine, Surgery, Obstetrics, Medical Jurisprudence.

V. SENIOR SCHOLARSHIP IN ANATOMY AND PHYSIOLOGY.

The Scholar will be required to act as Demonstrator in these subjects, and the Examination will be directed to ascertaining his fitness for that position. The Examination will be on the structure and functions of the Human Body, and will include the preparation and recognition of specimens and the description of Museum preparations. Candidates are recommended to practise diagram work. An Examination will be held in the Physiological Laboratory, at which Candidates will be required to show a practical acquaintance with the working of Physiological apparatus.

See p. 16 for Regulations.

SCHOOL OF CIVIL ENGINEERING.

Students in the School of Engineering can obtain in the Royal University, the Degree of Bachelor of Engineering, Master in Engineering, or a Diploma in Engineering; for the regulations regarding these, see Appendix.

I.—PRESCRIBED COURSE OF STUDY.

First Session.

Mathematics ; Chemistry ; *Experimental Physics ; Practical Physics ; Geometrical Drawing and Descriptive Architecture ; Office Work.

Second Session.

Mathematics ; Mathematical Physics ; Practical Chemistry ; Civil Engineering and Constructive Architecture ; Office Work and Field Work.

Third Session.

Mathematical Physics ; Civil and Mechanical Engineering ; Office Work and Field Work ; Geology and Physical Geography.

Attendance on these Courses in all cases includes passing such Examinations as may be appointed by the College Council, as well as the Catechetical parts of the Courses of Lectures.

Some modification of the order in which the subjects shall be studied will be admitted on the recommendation of the Council.

* Students shall be exempt from attendance on Lectures in Experimental Physics who shall produce a Certificate of having passed a University Examination, or of having attended a Course of Lectures in any Institution recognised by the College Council, in this subject.

II.—TIME TABLE OF LECTURES.

Subjects	Terms.	Mon.	Tues.	Wed.	Thrs.	Fri.	Sat.
FIRST YEAR.							
Mathematics (Honour), . . .	1, 2, 3,	1	1	—	1	1	—
Mathematics (Pass), . . .	1, 2, 3,	1	—	1	1	—	11
Experimental Physics, . . .	1, 2, 3,	—	12	—	12	—	12
Practical Physics, . . .	2, 3,	—	3	—	3	—	—
Chemistry, . . .	1, 2, 3,	12	—	12	—	12	—
Geometrical Drawing, etc., . . .	1, 2, 3,	11	—	11	—	11	—
Office Work, . . .	1, 2, 3,	2	—	2	—	2	—
SECOND YEAR.							
Mathematics (Honour), . . .	1, 2, 3,	—	11	—	11	—	12
Mathematics (Pass), . . .	1, 2, 3,	—	11	—	11	—	—
Mathematical Physics (Hon.), . . .	1, 2, 3,	—	9	—	—	—	9
Mathematical Physics (Pass), . . .	1, 2, 3,	10	—	—	—	10	—
Practical Chemistry, . . .	3 Mths.	3	—	3	—	3	—
Civil Engineering, . . .	1, 2, 3,	1	—	1	—	1	—
Office Work and Field Work, . . .	1, 2, 3,	2	—	2	—	2	—
THIRD YEAR.							
Mathematical Physics, . . .	1, 2, 3,	—	—	9	—	—	9
Geology and Physical Geo- graphy, . . .	1, 2,	10	—	10	—	10	—
Civil and Mechanical Engi- neering, . . .	1, 2, 3,	12	—	12	—	12	—
Office Work and Field Work, . . .	1, 2, 3,	2	—	2	—	2	—

III.—COURSES OF LECTURES.

I.—MATHEMATICS.

T. J. P^A. BROMWICH, M.A., F.R.S., F.R.U.I.

Senior Scholar (1906-7)—JOHN E. BOWEN, B.A.

The Lectures are adapted for Students reading for the Professional Examinations of the Royal University, and are arranged as follows:—

For the First Professional Pass Examination.

Students should attend Classes I. and III. of the Arts Course (p. 34).*

For the First Professional Honours Examination.

Students should attend Class II. of the Arts Course (p. 34).

For the Second Professional Pass Examination.

Students should attend Class V. of the Arts Course (p. 35).

For the Second Professional Honours Examination.

Students should attend Class IV. of the Arts Course (p. 35).

Copies of Bottomley's Four-Figure Mathematical Tables are provided in the Library and the Class-Room; and opportunities will be given for practice in using them for Trigonometrical work. Students are strongly recommended to provide themselves with copies either of these tables, or of the Cambridge Local Tables (see p. 34); and a Slide-Rule (Thornton's, Faber's, or any other) may be found of advantage.

II.—NATURAL PHILOSOPHY.

For Courses see Faculty of Arts, p. 36.

*Students may attend these two Classes on payment of a single fee; but under no conditions will attendance on the two classes be allowed for a half-fee.

III.—CHEMISTRY.

ALFRED SENIER, PH.D.

Demonstrator (1906-7)—ARTHUR J. W. COMPTON, B.A.

(1) LECTURE COURSE.

First Year Course for Pass and Honours. Inorganic Chemistry.—The class attends the Lectures given to Students of the Faculty of Arts at 12 o'clock on Mondays, Wednesdays, and Fridays throughout the Session. Attendance will, however, not be required on Mondays between the Christmas recess and the close of the Medical Lectures. The Lectures embrace a consideration of the leading facts of Inorganic Chemistry, and include both the Pass and Honour subjects required for the Second Professional Examination in Engineering of the Royal University, or for other corresponding Examinations. For syllabus see Faculty of Arts, p. 40.

(2) LABORATORY COURSES, PRACTICAL CHEMISTRY.

Second Year Pass Course.—This course consists of about forty Lectures of two hours each, commencing in the first term, and ending at the close of the second term. The work done is adapted to the requirements in Practical Chemistry of the Pass Second Professional Examination in Engineering of the Royal University. A *Second Year six months' Course for Honours*, adapted to the Honour Second Professional Examination of the Royal University, will be organized for Students who desire it.

(3) TEXT-BOOKS.

For Lecture Course.—Thorpe, Inorganic Chemistry; Newth, Inorganic Chemistry; Remsen, College Chemistry: or Richter, Inorganic Chemistry (trans. Smith).

For Laboratory Courses.—Clowes and Coleman, Elementary Qualitative Analysis, or Clowes, Practical Chemistry.

For Reference.—Blount and Bloxam, Chemistry for Engineers; Grossman, Elements of Chemical Engineering; Butterfield, Gas Manufacture; Thorpe, Dictionary of Applied Chemistry.

IV.—MINERALOGY AND GEOLOGY.

For Courses see Faculty of Arts, p. 46.

Students are allowed to examine hand-specimens in the Museum in March.

James Hardiman Library, NUI Galway

V.—CIVIL ENGINEERING.

EDWARD TOWNSEND, M.A., D.SC.

Senior Scholar (1906-7)—ALICE J. PERRY, B.E.

FIRST YEAR—SUBJECTS OF LECTURES.

Scales, Curves, Descriptive Geometry, Orthographic and Isometric Projections, Shadows, Perspective and Descriptive Architecture.

Text-Books and Works of Reference.

Miller's Descriptive Geometry. Winter's Geometrical Drawing. Clarke on Perspective. Carpenter's and Joiner's Assistant. Engineer and Machinists' Drawing Book. Rickman's Gothic Architecture. Ferguson's History of Architecture (chapters on Greece, Rome, and England). Stuart and Revett's Antiquities of Athens. Oxford Glossary. Classic and Early Christian Architecture—Smith and Slater. Gothic and Renaissance Architecture—Smith. An Introduction to the Study of Gothic Architecture by Parker.

SECOND YEAR—SUBJECTS OF LECTURES.

Instruments, Surveying, Levelling, Railway Curves, Measurement of Earthwork, Constructive Architecture, Measurement of the Flow of Water.

Text-Books and Works of Reference.

Rankine's Civil Engineering. Gillespie's Surveying. Rivington's Building Construction, Parts I., II. Bidder's Tables. Sir John M'Neill's Tables. Turner and Brightmore—Principles of Water Supply Engineering. (Chapter on Hydraulics.) Carpenter's and Joiner's Assistant. Moore's Sanitary Engineering.

THIRD YEAR—SUBJECTS OF LECTURES.

Stresses in Structures, Principles of Construction of Bridges, Roofs, Canals, Sewerage Works, Harbours, Arterial and Thorough Drainage, Waterworks, Locomotive Engine, Pumping Engines and Pumps, Railways, County and Municipal Work.

Text-Books and Works of Reference.

Fairbairn's History of the Manufacture of Iron. Rankine's Civil Engineering. Rankine on the Steam Engine. Rivington's Building Construction, Parts III., IV. Redgrave's Calcareous Cements. Stoney on Stresses. Cotteril's Applied Mechanics, chaps. xii., xiii., xiv., xv., xx. Humber on Bridges. Strength of Materials by Ewing. Buck on the Oblique Arch. Simms on Tunnelling. Latham on Sanitary Engineering. Moore's Sanitary Engineering. Hill on Thirlmere Works. Deacon on Vyrnwy Works. Fitzmaurice on the Assuan Dam. Proc. I. C. E., vol. cxxvi. Drainage of Lands, Towns, and Buildings, by Dempsey, with recent Practice by D. R. Clarke. Purification of Sewage and Water, by W. J. Dibdin. Turner and Brightmore—Principles of Water Supply Engineering. Colyer—Pumps and Pumping Machinery, Part I. Vernon Harcourt on Harbours. Vernon Harcourt on Canals and Rivers. Steam Engine by Holmes, omitting Thermodynamical Theory, Bowen Cook, British Locomotives. Mills' Railway Construction. Barry's Railway Appliances. Fairbairn on Mills and Millwork. Records of Modern Engineering. Aikin on Roads and Streets. Merriman and Jacoby, Roofs and Bridges, Part IV., chapters III., V., VI., VII. Dock Engineering by Brysson Cunningham. Refuse Disposal and Power Production, by William H. Maxwell, and Moore's Sanitary Engineering.

The Students of each year are engaged during each term in preparing working drawings of Structures in Architecture and Engineering.

Students of the Second and Third Years make Surveys and Sections in the field.

VI.—ELECTRICAL ENGINEERING

Lecturer (1906-7)—

SECOND AND THIRD YEARS.

Lectures, with Demonstrations, were delivered on three days in the week during the Session 1905-1906 on the following subjects:—General principles of Dynamo and Motor design. Direct and Alternating Currents. Testing and efficiency of Electrical plant. Generating and Sub-stations: their arrangement and fittings. Transmission and distribution of power. Management of Accumulators Electric Traction: Tramways and Railways. Permanent-way and Current-distributing systems. Transformers.

IV.—SCHOLARSHIP EXAMINATIONS.**I.—JUNIOR SCHOLARSHIPS.**

Two are tenable by Students of the First Year.
Two are tenable by Students of the Second Year.
One is tenable by a Student of the Third Year.

First Year Scholarships.

To compete for a Scholarship of the First Year a Student must be Matriculated (see foot-note, p. 18).

The Course is that prescribed for Science Scholarships of the First Year in the Faculty of Arts (see p. 51).

Second Year Scholarships.

To compete for a Scholarship of the Second Year a Student must be Matriculated, and be of one year's standing, and not more.

The Course consists of the subjects of study prescribed for Honour Students of the First Year (see p. 81). French or German may be taken as a voluntary subject.

The subjects of Examination in French or German, and Experimental Physics, are the same as those prescribed for Medical Scholarships of the Second Year (see p. 78). Candidates are also required to show efficiency in Physical Manipulation and Measurements.

Third Year Scholarship.

To compete for a Scholarship of the Third Year a Student must be Matriculated, and be of two years' standing, and not more.

The Course consists of the subjects of study prescribed for Honour Students of the Second Year, except in Practical Chemistry, in which the examination is on the Pass Course (see p. 81).

II.—SENIOR SCHOLARSHIP.*

The Course for the Examination consists of the Civil and Mechanical Engineering, Office Work and Field Work, prescribed for Engineering Students of the Third Year (see pp. 81, 85).

* For Regulations see pp. 15-17.

CHANGES IN THE COURSES FOR THE SESSION 1907-1908.

The Courses for 1907-1908 will be the same as those prescribed for 1906-1907, with the following alterations:—

Faculty of Arts.

I. ENTRANCE EXAMINATION.

- | | | |
|----------|-----|--|
| Latin, | . . | Vergil— <i>Aeneid</i> , ix. (for <i>Georgics</i>).
Cicero— <i>Pro Archia</i> , <i>Pro Lege Manilia</i> (for <i>de Amicitia</i>). |
| Greek, | . . | Euripides— <i>Troades</i> , omitting the lyric portions (for <i>Alcestis</i>).
Xenophon— <i>Agesilaus</i> (for <i>Hellenica</i> , i.). |
| French, | . . | De Maistre— <i>Voyage autour de ma chambre</i> (for Souvestre— <i>Au Coin du Feu</i>).
Moinaux— <i>Les deux Sourds</i> (for Coppée— <i>Le Luthier de Crémone</i>). |
| German, | . . | Riehl— <i>Der stumme' Ratsherr</i> , <i>Der Dachs auf Lichtmess</i> (for Keller— <i>Kleider machen Leute</i>). |
| Italian, | . . | Tasso— <i>Gerusalemme Liberata</i> , iv., v. (for i., ii., iii.). |
| English, | . . | Lyster— <i>Select Poetry for Young Students</i> , Nos. 7, 28, 29, 31, 33, 34 (for Wordsworth— <i>Excursion</i>).
Macaulay— <i>Life of Addison</i> (for <i>Life of Johnson</i>). |

The other subjects are the same as for 1906 (see pp. 25, 26).

II. JUNIOR SCHOLARSHIPS OF THE FIRST YEAR.

- | | | |
|--------|-----|---|
| Latin, | . . | Cicero— <i>Pro Archia</i> , <i>Pro Lege Manilia</i> (for <i>de Amicitia</i>).
Vergil— <i>Aeneid</i> , ix. (for <i>Georgics</i> , iv.).
Omit Livy xxv., Horace, and Cicero, <i>De Sen.</i> , in place of which additional passages from unprescribed works will be set. |
| Greek, | . . | Euripides— <i>Troades</i> , omitting lyric portions (for <i>Alcestis</i>).
Xenophon— <i>Agesilaus</i> (for <i>Hellenica</i>).
Omit Homer and Plato, in place of which additional passages from unprescribed works will be set. |

- French*, . . . De Maistre—*Voyage autour de ma chambre*.
Moinaux—*Les deux Sourds*.
- German*, . . . Uhland—*Balladen und Romanzen* (Macmillan's
edition) (for Schiller).
Riehl—*Der stumme Ratsherr, Der Dachs auf
Lichtmess*.
- Italian*, . . . Tasso—*Gerusalemme Liberata*, iv., v.
Fucini—*All' Aria Aperta*.
- Celtic*, . . . Selections from Raftery's Poems (for *Oidhe
Chloinne Lir*).
- English*, . . . Lyster—*Select Poetry for Young Students*, Nos.
4, 7, 17, 28, 29, 31, 33, 34, 42, 47, 51, 54
(for Wordsworth.)
Macaulay—*Addison* (for Thackeray).
History of Literature—*Outlines of the dramatic
career of Shakespeare* (for Shakespeare—
Richard II.).

The other subjects are the same as for 1906–1907 (see pp. 50, 51).

III. JUNIOR SCHOLARSHIPS OF THE SECOND

YEAR.

- Latin*, . . . Vergil—*Aeneid*, vii., viii. (for vi., vii.).
Ovid—*Fasti*, iii., iv. (for i., ii.).
- Greek*, . . . Homer, *Iliad* xii. (for viii.).
- French*, . . . Labiche et Jolly—*La Grammaire* (for *Le Voyage
de M. Perrichon*).
Molière—*Le Misanthrope* (for *Polyeucte*).
- German*, . . . Meyer—*Gustave Adolf's Page* (for Uhland's
Gedichte).
- Italian*, . . . No change.
- Celtic*, . . . Add—First twenty poems of Seághan Clárach
MacDonnell.
- English*, . . . Gray—*Odes: Spring, Eton, Progress of Poesy,
The Bard* (for Gray—*Elegy, &c.*).
Pope—Omit *Epistle to Augustus*.

The other subjects are the same as for 1906–1907 (see pp. 52–54).

III. JUNIOR SCHOLARSHIPS OF THE THIRD YEAR.

- Latin*, . . . Juvenal—*Satires*, 3, 10, 12, 13, 14 (for 7, 8, 12, 13, 14).
 Pliny—*Epistles*, i. (for Tacitus, *Dialogus*).
 Lucretius—Book v. (for iii.).
 Cicero—*Pro Plancio* (for *In his Letters*).
 Tacitus—*Histories* i., ii. (for iii., iv., v.).
- Greek*, . . . Sophocles—*Ajax* (for *Antigone*).
- French*, . . . Mérimée—*Colomba* (for *Quatre-vingt-treize*).
- German*, . . . Schiller—*Wilhelm Tell* (for *Wallenstein* and *Piccolomini*).
 Freytag—*Die Ahnen*, part i., Ingo (Macmillan) (for *Wahrheit und Dichtung*).
- History* . . . History of France from 1589 to 1715.

The other subjects are the same as for 1906–1907 (see pp. 54–57).

V. SENIOR SCHOLARSHIPS.

1. ANCIENT CLASSICS.

- Greek*, . . . Thucydides, vi., vii. (for iv., v.).
- Latin*, . . . Lucretius—v. (for iii.).
 Plautus—*Rudens* (for *Trinummus*).

2. ENGLISH AND MODERN LANGUAGES.

- English*, . . . Cowper—*Task* (omit Book iv.).
- French*, . . . Fénelon—*Lettre à l'Académie* (for *Buffon*).
- German*, . . . Schiller—*The Trilogy of Wallenstein* (for *Tell* and *Braut von Messina*).

The other subjects are the same as for 1906–1907 (see pp. 57–60).

VI. BLAYNEY EXHIBITION, 1907.

The Course will be :—

The Course in Mathematics appointed for the Junior Science Scholarship of the Second Year (pp. 53, 54).

The General Theory of Infinite Series ; in particular the Binomial, Exponential, and Logarithmic Series ; applications to Trigonometric Series by use of the Complex Variable.

[Osgood's *Introduction to Infinite Series* ; Chrystal's *Algebra* (vol. ii., chaps. 25–29) ; Hobson's *Trigonometry* (chaps. 13–15).]

The Elements of the Differential and Integral Calculus.

[Gibson's *Elementary Treatise on the Calculus*, chaps. 4–7, 9, 10, 13–15.]

Newton's *Principia*, Book I., Sections 1, 2, 3.

Elementary *Statics*.

Elementary *Dynamics*, including easy applications to the plane motion of rigid bodies.

Elementary *Hydrostatics*.

Elementary *Optics*.

Elementary *Astronomy*.

FORMER PROFESSORS AND OFFICERS.

Appointed.	Vacated
1845. Very Rev. J. W. Kirwan, President, . . .	Died, 1849
1845. Edward Berwick, Vice-President, appointed President,	Resigned, 1849
1849. Thomas Drane, M.A., Professor of Civil Engineering,	Resigned, 1849
1850. Very Rev. J. P. O'Toole, Vice-President,	Resigned, 1852
1849. Morgan W. Crofton, M.A., Professor of Natural Philosophy,	Resigned, 1852
[Fellow of the Royal Society, 1868; late Pro- fessor of Mathematics, R.M. Academy, Woolwich; late Fellow of the Royal Uni- versity of Ireland; Author of Papers in <i>Philosophical Transactions</i> , 1868-69.]	
1849. Patrick G. Fitzgerald, Bursar,	Died, 1853
1849. John Mulcahy, LL.D., Professor of Mathe- matics,	Died, 1853
[Author of "Principles of Modern Geometry," 1852.]	
1849. W. E. Hearn, M.A., LL.D., Professor of the Greek Language,	Resigned, 1854
[Late Dean of the Faculty of Law in the University of Melbourne. Author of "Plu- tology," 1864; "The Government of Eng- land"; and "The Aryan Family."]	
1849. William Nesbitt, M.A., Professor of the Latin Language, appointed to the Greek Professor- ship,	Resigned, 1854
1849. Cornelius Mahony, Professor of the Celtic Languages,	Resigned, 1854

Appointed.	Vacated.
1849. Bernard O'Flaherty, Registrar, . . .	Resigned, 1855
1849. James Hardiman, Librarian, . . .	Died, 1855
[Author of "History of Galway," 1820; and of "Irish Minstrelsy or Bardic Remains of Ireland," 1831.]	
1849. Edmond Ronalds, PH.D., Professor of Chemistry, . . .	Resigned, 1856
[Editor of the Journal of the Chemical Society, joint Editor with Dr. T. Richardson of Knapp's "Chemistry in its applications to the Arts and Manufactures," 1848-1851. Author of papers:—"Ueber die Oxydation des Wachses durch Salpetersäure," <i>Liebig Ann.</i> 1842, and "Excretion of Phosphorus," 1853, <i>Phil. Trans.</i>]	
1853. G. Johnstone Stoney, M.A., Professor of Natural Philosophy, appointed Secretary of the Queen's University, . . .	Resigned, 1857
[Fellow of the Royal Society, 1861; late Secretary to the Queen's University in Ireland. Author of numerous Scientific and Philosophical Papers in <i>Phil. Trans.</i> , <i>Trans. of Royal Dublin Society</i> , and <i>Philosophical Magazine.</i>]	
1849. H. Law, B.A., Professor of English Law, . . .	Resigned, 1858
[Solicitor-General, 1873; M.P. for Londonderry, 1874; Attorney-General, 1880; Lord Chancellor of Ireland, 1881.]	
1849. Denis C. Heron, LL.D., Professor of Jurisprudence and Political Economy, . . .	Resigned, 1859
[Serjeant-at-Law; M.P. for county of Tipperary, 1870. Author of "An Introduction to the History of Jurisprudence," 1860, and "History of the University of Dublin."]	
1849. Wm. B. Blood, B.A., Professor of Civil Engineering, . . .	Resigned, 1860
[Author of Paper on "Stresses in Girders," <i>Min. Proc., I.C.E.</i>]	
1849. Charles Croker King, M.D., Professor of Anatomy and Physiology, . . .	Resigned, 1863
[M.R.I.A.; late Medical Commissioner, Local Government Board for Ireland. Author of numerous Papers on Anatomy and Physiology.]	

Appointed.	Vacated
1852. Joseph O'Leary, B.A., Vice-President, Professor of History and English Literature, [Author of various Legal works.]	Died, 1864
1853. Arthur Ireland, Bursar,	Died, 1864
1852. William Nesbitt, M.A., Professor of the Greek Language, [Late Professor of Latin, Queen's College, Belfast. Author of the Article, "Horae Taciteae" in <i>Hermathena</i> , Vol. III.]	Resigned, 1864
1849. Thos. Skilling, Professor of Agriculture,	Died, 1865
1849. Augustus Bensbach, M.D., Professor of Modern Languages, [Author of "Sketch of German Literature."]	Died, 1868
1854. Richard Blair Bagley, M.A., Professor of Latin,	Died, 1869
1859. John E. Cairnes, M.A., Professor of Jurisprudence and Political Economy, [Sometime Whately Professor of Political Economy in the University of Dublin; late Professor of Political Economy in the University College, London. Author of "The Definition and Logical Method of Political Economy," 1875, 2nd Edition; "The Slave Power," 1862; Essays on Political Economy; Political Essays; Some Leading Principles of Political Economy; and of other works.]	Resigned, 1870
1853. William Lupton, M.A., Registrar, appointed Professor of Jurisprudence and Political Economy,	Resigned, 1870
1849. Simon M'Coy, Professor of Materia Medica, [Author of numerous papers on Medical and Surgical Science.]	Resigned, 1873
1849. Richard Doherty, M.D., Professor of Midwifery, [Author of papers on Obstetric Science.]	Died, 1876
1870. William Lupton, M.A., Professor of Jurisprudence and Political Economy,	Died, 1876
1856. John H. Richardson, B.A., Librarian,	Resigned, 1876
1849. Edward Berwick, B.A., President,	Died, 1877

Appointed.	Vacated.
1863. John Cleland, M.D., D.Sc., LL.D., Professor of Anatomy and Physiology.	Resigned, 1877
[Fellow of the Royal Society, 1872. Professor of Anatomy in the University of Glasgow. One of the Editors of the 7th Edition of Quain's "Elements of Anatomy;" Author of "Scala Naturae and other Poems," 1887; and of "Animal Physiology," "Variations of the Skull," and other important papers in the <i>Philosophical Transactions</i> .]	
1870. Thomas W. Moffett, LL.D., Registrar, appointed President,	Resigned, 1877
1873. Joseph P. Pye, M.D., M.Ch., Professor of Materia Medica,	Resigned, 1877
1849. Nicholas Colahan, M.D., Professor of Practice of Medicine,	Resigned, 1879
1857. Arthur Hill Curtis, M.A., LL.D., Professor of Natural Philosophy,	Resigned, 1879
[Late Assistant Commissioner of Intermediate Education; late Senator of the Royal University of Ireland. Author of Papers:— "On the Integration of Linear and Partial Differential Equations," in the <i>Cambridge and Dublin Mathematical Journal</i> , 1854; "Sur la Surface Lieu des Centres de Courbure Principaux d'une Surface Courbe," in Liouville's <i>Journal de Mathématiques pures et appliquées</i> , 1858; A Mathematical Deduction of the principal properties of the Gyroscope, Dublin, 1862; and of numerous Papers in <i>The Oxford, Cambridge, and Dublin Messenger of Mathematics</i> , <i>The Messenger of Mathematics</i> , New Series; <i>The Quarterly Journal of Pure and Applied Mathematics</i> ; and <i>The Philosophical Magazine</i> .]	
1877. Arthur Hill Curtis, M.A., LL.D., Registrar,	Resigned, 1879
1869. Thomas Maguire, LL.D., Professor of Latin,	Resigned, 1880
[Late Fellow of Trinity College, Dublin, and Professor of Moral Philosophy in the University of Dublin. Author of "An Essay on the Platonic Idea," 1866; of "Essays on the Platonic Ethics"; of "Lectures on Philosophy"; and of numerous Articles in <i>Hermathena</i> , Vols. I.—VI. Editor of "The Parmenides of Plato," 1882.]	

Appointed.	Vacated
1849. Alexander G. Melville, M.D., D.Sc., Professor of Natural History, Resigned,	1882
[Joint Author of "The Dodo and its kindred," and of papers on Anatomy and kindred subjects.]	
1876. Robert Cather Donnell, M.A., LL.D., Professor of Jurisprudence and Political Economy, Died,	1883
[Sometime Professor of Political Economy in the University of Dublin.]	
1849. William King, D.Sc., Professor of Mineralogy and Geology and Natural History, Resigned,	1883
[Author of "Monograph of Permian Fossils of England," published by the Palæontographical Society, 1850; and of "Report on the Superinduced Divisional Structure of Rocks, called Jointing, and its Relation to Slaty Cleavage," <i>Transactions of the Royal Irish Academy</i> , Vol. XXV., 1875, and of numerous Papers in the <i>Annals of Natural History</i> , and in other Scientific Journals. Also Author in conjunction with Dr. T. H. Rowney of a Paper on "Eozoon Canadense" in the <i>Quarterly Journal of the Geological Society</i> , and of other Papers on the same subject in various Scientific Journals.]	
1880. Joseph Larmor, M.A., D.Sc., Professor of Natural Philosophy, Resigned,	1885
[Secretary of the Royal Society, 1901; Lucasian Professor of Mathematics in the University of Cambridge; late Fellow of the Royal University of Ireland; Fellow of St. John's College, Cambridge. Author of various Papers in the <i>Proceedings of the Cambridge Philosophical Society</i> ; <i>Philosophical Transactions of the Royal Society</i> ; <i>Proceedings of the London Mathematical Society</i> ; <i>The Quarterly Journal of Pure and Applied Mathematics</i> ; <i>The Messenger of Mathematics</i> , New Series; <i>The Philosophical Magazine</i> .]	
1868. Charles Giesler, Ph.D., D.Lit., Professor of Modern Languages, Died,	1886
[Late Fellow of the Royal University of Ireland.]	
1849. James V. Browne, M.D., Professor of Surgery, Died,	1887

- | Appointed. | Vacated. |
|---|----------------|
| 1880. John Fletcher Davies, M.A., D.LIT., Professor of Latin, | Died, 1889 |
| [Late Fellow of the Royal University of Ireland. Editor of "The Agamemnon, The Choephoroe, and The Eumenides of Æschylus." Author of several Articles in <i>Hermathena</i> . Contributed largely to <i>Kottabos</i> and <i>Dublin Translations</i> .] | |
| 1856. Thomas H. Rowney, PH.D., D.SC., Professor of Chemistry, | Resigned, 1889 |
| [Author of numerous memoirs in Organic Chemistry, especially on the Fatty Acids and their Amides, <i>Journal of the Chemical Society</i> ; and in conjunction with Dr. Wm. King of a Paper on "Eozoon Canadense" in the <i>Quarterly Journal of the Geological Society</i> , and of other Papers in various Scientific Journals.] | |
| 1889. Augustus E. Dixon, M.D., Professor of Chemistry, | Resigned, 1891 |
| [Professor of Chemistry, Queen's College, Cork. Author of Papers on Organic Chemistry in the <i>Journal of the Chemical Society</i> .] | |
| 1853. George Johnston Allman, LL.D., D.SC., Professor of Mathematics, | Resigned, 1893 |
| [Senator of the Royal University of Ireland, Fellow of the Royal Society, 1884, Member of the Senate of the Queen's University in Ireland, 1877. Editor of the Lectures of Professor MacCullagh on "The Attraction of Ellipsoids," <i>Transactions of the Royal Irish Academy</i> , Vol. XXII., 1853. Author of a Paper, "On Some properties of the Paraboloids," <i>The Quarterly Journal of Pure and Applied Mathematics</i> , 1874; of Articles on "Greek Geometry from Thales to Euclid" in <i>Hermathena</i> , Vols. III.-VI., 1878-1887, subsequently published as a Volume of the Dublin University Press Series, 1889; also of "Ptolemy (Claudius Ptolemaeus)" and other Articles in the 9th edition of the <i>Encyclopædia Britannica</i> .] | |
| 1864. George Johnston Allman, LL.D., D.SC., Bursar, | Resigned, 1893 |

Appointed.

Vacated.

1849. Sir Thomas Moffett, LL.D., D.LITT., Professor of Logic and Metaphysics; Professor of History, English Literature, and Mental Science, 1863; Registrar, 1870; President, 1877, Resigned, 1897

[Senator of the Royal University of Ireland. Author of "Selections from Bacon's Works," translated with commentary, and numerous Literary and Philosophical Papers.]

1897. William Joseph Myles Starkie, M.A., D.LITT.; President, and Professor of History, English Literature, and Mental Science, . . . Resigned, 1899

[Late Scholar of Trinity College, Cambridge; ex-Fellow of Trinity College, Dublin; Senator of the Royal University of Ireland; Resident Commissioner of National Education (Ireland); Visitor of Queen's College, Galway; Editor of "Aristophanes' Vespae," and Author of many Papers on Classical Subjects.]

1893. Alfred Cardew Dixon, SC.D., M.A., Professor of Mathematics, Resigned, 1901

[Late Fellow of Trinity College, Cambridge; Fellow of the Royal University of Ireland; F.R.S. 1904. Author of the "Elementary Properties of Elliptic Functions," 1894; and of numerous papers in *Philosophical Transactions*, *Quarterly Journal of Mathematics*, *Proceedings of London Mathematical Society*, and *Messenger of Mathematics*.]

1864. D'Arcy W. Thompson, M.A., D.LITT., Professor of Greek, and Librarian, Died, 1902

[Late Fellow of the Royal University of Ireland. Author of "Daydreams of a Schoolmaster," "Sales Attici, the wit and wisdom of the Athenian Drama," "Way-side Thoughts," being lectures delivered in the Lowell Institute in Boston, and numerous literary papers.]

Appointed.

Vacated.

1883. Charles Francis Bastable, LL.D., B.L., Professor of Political Economy and Jurisprudence, Resigned, 1903

[Professor of Political Economy and of Jurisprudence and International Law, Trinity College, Dublin. Author of "Theory of International Trade," "Commerce of Nations," "Public Finance," contributor to *Encyclopædia Britannica*, *Dictionary of Political Economy*, and *Economic Journal*.]

1890. Philip Sandford, M.A., Professor of Latin, . . . Died, 1903

[Fellow of the Royal University of Ireland. Author of "The Quasi-Cæsura in Virgil," *Hermathena*; Editor of the Aeneid of Virgil, Book III., in Blackie's Illustrated Latin Series; Editor of Xenophon, *Hellenica*, Books I. and II., Ponsonby, Dublin.]

FORMER DEANS OF RESIDENCES.

Appointed.	Vacated.
1857. Rev. Wm. Lough,	Resigned, 1860
1860. Rev. Robert Huston,	Resigned, 1863
1863. Rev. John Duncan,	Resigned, 1866
1866. Rev. Hugh Moore,	Resigned, 1867
1858. Rev. John Lewis,	Resigned, 1867
1867. Rev. James Murdock,	Resigned, 1868
1849. Rev. John Treanor,	Resigned, 1868
1868. Rev. Wm. Jarrett,	Resigned, 1868
1868. Rev. Mortlock Long,	Resigned, 1871
1871. Rev. Oliver M'Cutcheon,	Resigned, 1874
1874. Rev. J. C. Moore, B.A.,	Resigned, 1878
1874. Rev. Colin M'Cay,	Resigned, 1876
1876. Rev. F. Elliot,	Resigned, 1879
1879. Rev. T. W. Baker,	Resigned, 1882
1880. Rev. J. G. Robb, LL.B., D.D.,	Died, 1881
1880. Rev. John Kydd,	Resigned, 1881
1882. Rev. Thomas C. Maguire,	Resigned, 1885
1885. Rev. John Carson,	Resigned, 1887
1868. Venerable Archdeacon O'Sullivan,	Resigned, 1890
[Bishop of Tuam, 1890.]	
1887. Rev. Henry Shire,	Resigned, 1890
1890. Rev. Richard Little,	Resigned, 1893
1893. Rev. Robert Boyd, M.A.,	Resigned, 1896
1896. Rev. Wm. Crook, D.D.,	Died, 1897
1897. Rev. Henry J. F. Ranson,	Resigned, 1901
1901. Rev. Hugh M'Gahey,	Resigned, 1904
1904. Rev. Frederick Trotter,	Resigned, 1905

GRADUATES.

IN THE FOLLOWING LIST, * SIGNIFIES FIRST CLASS HONOURS,
† SECOND CLASS.

Adair, James J.,	..	..	B.A. 1858; M.D. 1861.
⁴ Adams, Archibald,	..	..	M.D., M.CH. 1872.
Adams, David O.,	..	..	*B.A. 1873; M.A. 1882.
Adams, John A.,	..	..	†B.A. 1888; M.B., B.CH., B.A.O. 1890.
Agnew, Samuel,	..	..	*B.A. 1868; M.D. 1871; M.CH., Dip. Obs. 1872; M.A. 1882.
Aimers, Margaret M.,	..	..	†B.A. 1900.
Allen, Alfred,	..	..	M.D., M.CH., Dip. Obs. 1876.
¹ Allen, Robert,	..	..	M.B., B.CH., B.A.O. 1893.
² Allen, William,	..	..	*M.D., M.CH., Dip. Obs. 1877.
Ambrose, Daniel,	..	..	M.D. 1865.
Ambrose, Robert,	..	..	B.A. 1876.
³ Anderson, Alexander,	..	..	*B.A. 1880; *M.A. 1881.
Anderson, Edward,	..	..	M.D. 1867.
Anderson, Joseph G.,	..	..	M.B., B.CH., B.A.O. 1901.
Anderson, Joseph R.,	..	..	†B.A. 1878; M.A. 1882.
⁴ Andrews, John,	..	..	M.D., M.CH. 1883.
Angus, Samuel,	..	..	*B.A. 1902; †M.A. 1903.
Armour, James B. M.,	..	..	B.A. 1906.
Armstrong, Thomas M.,	..	..	M.D. 1869.
Arnold, Pierce,	..	..	†B.A. 1856; M.A. 1882.
⁵ Atkinson, Rt. Hon. Lord,	..	..	*B.A. 1861; *LL.B. 1865; M.A., LL.D. 1882.
Atkinson, Miles H. C.,	..	..	M.D. 1879; M.CH. 1880.
Atkinson, William,	..	..	M.D. 1879.
Atock, Arthur,	..	..	M.D. 1885; M.CH. 1886; B.A.O. 1888.
Atock, Martin H.,	..	..	M.D., M.CH. 1882; B.A.O. 1889.
Bacon, Theophilus,	..	..	M.D., M.CH. 1878.
Bain, John A.,	..	..	†B.A. 1880; M.A. 1882.
Ball, Frederick J.,	..	..	†B.A. 1906.
Barker, Alexander A.,	..	..	*B.E. 1877; M.E. 1882.
Barnes, Leopold J. J.,	..	..	M.D. 1869.
Barr, Andrew,	..	..	B.A. 1899.
Bartley, William,	..	..	M.D., M.CH. 1884; B.A.O. 1890.
Bateman, Richard C.,	..	..	*B.A. 1857; M.A. 1882.
Beattie, Charles J.,	..	..	M.B., B.CH., B.A.O. 1889.

¹ Demonstrator of Anatomy, Queen's College, Galway; Travelling Medical Scholar, R.U.I., 1894; University Student in Pathology, 1900.

² Demonstrator of Anatomy, University of Glasgow.

³ Hon. LL.D., Glasgow; late F.R.U.I.; late Fellow of Sidney Sussex College, Cambridge; Professor of Natural Philosophy, Queen's College, Galway; President of Queen's College, Galway, 1899; Member of Senate, R.U.I.

⁴ Naval Medical Service.

⁵ K.C.; Bencher of the Honourable Society of King's-Inns, Dublin; M.P. for North Derry; Attorney-General for Ireland; P.C.; Lord of Appeal in Ordinary.

Beattie, Robert,	..	..	M.D., M.CH. 1876; Dip. Obs. 1879.
Beattie, Robert A.,	..	..	B.A. 1891.
Beatty, John,	..	..	B.A. 1893.
Beatty, John W.,	..	..	M.D. 1879.
Bell, Gilmore,	..	..	B.A. 1903.
Bell, James,	..	..	B.A. 1888.
Bell, Robert,	..	..	M.D., M.CH. 1884.
Bell, Wilson A.,	..	..	B.A., 1906.
Best, Robert,	..	..	M.B., B.CH., B.A.O. 1902.
Binns, Edmund T.,	..	..	B.A. 1892; B.E. 1893.
Binns, Henry A.,	..	..	*B.E. 1883.
¹ Binns, William N.,	..	..	B.E. 1888.
² Black, John G.,	..	..	M.D., Dip. Obs. 1881; M.CH. 1882.
Bligh, John,	..	..	M.D., M.CH. 1865.
² Blood, Robert,	..	..	M.D., M.CH. 1871.
Booth, Samuel,	..	..	B.A. 1899.
Bournes, William H.,	..	..	M.D. 1859.
Bowen, John E.,	..	..	†B.A. 1906.
Boycott, W. Douglass,	..	..	B.A. 1883.
Boyd, Robert J.,	..	..	M.D., M.CH. 1886; B.A.O. 1890.
Bradshaw, George B.,	..	..	Dip. Agric. 1857.
Brash, Janet W.,	..	..	B.A. 1905.
Brash, Robert,	..	..	B.A. 1903; B.E. 1904.
Breen, John,	..	..	B.A. 1857.
Breen, Michael,	..	..	B.A. 1857; M.D. 1861.
Bright, John S.,	..	..	B.A. 1895.
² Brodie, James F.,	..	..	M.D., M.CH., Dip. Obs. 1876.
Brooke, John,	..	..	†B.A. 1867; M.A. 1870.
Brooke, William,	..	..	*B.A. 1867; M.D. 1874; M.A. 1882.
³ Bromlow, Thomas D.,	..	..	M.D. 1863.
Brown, Henry,	..	..	B.A. 1897.
Brown, John I.,	..	..	†B.A. 1879; M.A. 1882.
Brown, William,	..	..	†B.A. 1879; M.A. 1882; *LL.B. 1887.
Browne, Andrew,	..	..	M.D. 1864.
Browne, David,	..	..	B.A. 1891; M.A. 1893.
⁴ Browne, William A.,	..	..	†B.A. 1853; M.A. 1882.
Bryant, William V.,	..	..	B.A. 1900.
Buchanan, L. Dobbin,	..	..	M.D. 1861.
Buckley, Thomas,	..	..	B.A. 1882; LL.B. 1889.
⁵ Bunton, Christopher L. W.,	..	..	M.B., B.CH., B.A.O. 1891.
Burke, Edward,	..	..	B.E. 1870.
Burke, John,	..	..	B.A. 1865; M.D. 1872.
Burke, John P.,	..	..	M.D. 1861.
² Burke, John R.,	..	..	M.D. 1861.
² Burke, Martin J.,	..	..	B.A. 1858; M.D. 1859.
Burke, Michael,	..	..	B.A. 1866.
³ Burke, Michael J.,	..	..	B.A. 1863; M.D. 1867; M.A.O. 1896.

¹ Harbour Engineer and Borough Surveyor of Galway.

² Army Medical Service. ³ Naval Medical Service.

⁴ Founder of "Dr. and Mrs. W. A. Browne" Scholarship; F.R.G.S., F.S.A., etc. Member of War Office Headquarters Staff, 1856-1897.

⁵ Demonstrator, Queen's College, Galway.

⁶ Burkitt, James P.,	..	..	*B.A. 1891; *B.E. 1892.
Byrne, James F.,	..	..	M.B., B.CH., B.A.O. 1905.
Cairnes, John E.,	..	..	B.A. 1887; M.A. 1889.
Caldwell, William H.,	..	..	M.D., M.CH., Dip. Obs. 1880.
Campbell, James A.,	..	..	*B.A. 1879; M.A. 1882.
¹ Carbery, Edward O. B.,	..	..	M.B., B.CH., B.A.O. 1897.
Card, David,	..	..	B.A. 1887.
Card, William,	..	..	B.A. 1886.
Carey, Patrick,	..	..	B.A. 1868.
Carmichael, John S.,	..	..	†B.A., *B.E. 1897.
² Carpenter, William,	..	..	*M.D. 1862.
Carroll, Henry,	..	..	B.A. 1884.
Carroll, James,	..	..	M.D., M.CH. 1883; B.A.O. 1889.
Carroll, Richard,	..	..	M.D. 1862.
Carroll, William S.,	..	..	M.B., B.CH., B.A.O. 1895.
Cawley, Patrick T.,	..	..	M.B., B.CH., B.A.O. 1905.
Charlton, Robert J.,	..	..	B.A. 1887.
Chestnutt, Joseph W.,	..	..	*B.A. 1860; M.D. 1865; M.A. 1882.
³ Clancy, John J.,	..	..	B.A. 1866, †M.A. 1868.
Clarke, David L.,	..	..	B.A. 1906.
Clarke, John A.,	..	..	B.A. 1898.
Clarke, John A.,	..	..	†B.A. 1906.
Clarke, Margaret,	..	..	*B.A. 1900.
⁶ Clarke, Rosalind,	..	..	†B.A. 1904.
Clarke, Samuel B.,	..	..	†B.A. 1880; M.A. 1882.
Clarke, Thompson R.,	..	..	M.D., M.CH. 1866.
Clarke, William,	..	..	B.A. 1859.
Clarke, William A.,	..	..	B.A. 1886; LL.B. 1890.
Clements, Francis H.,	..	..	M.B., B.CH., B.A.O. 1892.
Clements, John,	..	..	M.B., B.CH., B.A.O. 1902; M.D. 1905.
Clements, Joseph A.,	..	..	M.B., B.CH., B.A.O. 1895.
Clements, Robert W.,	..	..	B.A. 1894; M.B., B.CH., B.A.O. 1895
⁴ Clements, Robert,	..	..	M.D. 1873.
² Climo, William H.,	..	..	M.D. 1860.
Clinch, Patrick J.,	..	..	Dip. Eng. 1867; B.E. 1882.
Coates, George J.,	..	..	M.D., M.CH., Dip. Obs. 1880.
Coates, William,	..	..	M.D., M.CH., Dip. Obs. 1876 M.A.O. 1887.
² Colahan, John,	..	..	†M.D. 1857.
⁵ Colahan, Nicholas W.,	..	..	M.D., M.CH. 1872.
¹ Colahan, William H. W.,	..	..	M.D., M.CH. 1870.
⁷ Cole, James A.,	..	..	†B.A. 1901; †M.A. 1904.
² Comerford, Henry,	..	..	M.D., M.CH. 1865.
⁹ Compton, Arthur J. W.,	..	..	B.A. 1904.

¹ Naval Medical Service, Staff Surgeon. ² Army Medical Service.

³ K.C. (Ireland), 1906; M.P. for North Dublin County.

⁴ Medical Inspector to the Local Government Board (Ireland).

⁵ Professor of Materia Medica, Queen's College, Galway. ⁶ County Surveyor of Fermanagh. ⁷ Inspector of National Schools, 1907.

⁸ Demonstrator of Chemistry, Queen's College, Galway; elected to Science Research Scholarship, by H.M. Exhibition (1851) Commissioners, 1905.

⁹ Demonstrator of Chemistry and Physics, Queen's College, Galway.

Compton, S. J. M., ..	..	B.A. 1904.
Concannon, Patrick, ..	..	*B.A. 1871; †M.A. 1874.
Condon, Daniel E., ..	..	†B.E. 1879; M.E. 1882.
Connolly, Thomas J., ..	..	†B.A. 1891; M.B., B.CH., B.A.O. 1893.
Conolly, James, ..	..	B.A. 1858; M.D. 1866.
⁶ Conolly, Patrick W., ..	..	B.A. 1861; †M.A. 1865.
Considine, P. Oswald, ..	..	M.D. 1878.
¹ Conway, John K., ..	..	M.D. 1866.
Copithorn James G., ..	..	*B.A. 1879; M.A. 1882.
Corley, Anthony H., ..	..	*M.D. 1863; D.S.C. <i>Honoris Causa</i> 1882.
Corry, John G., ..	..	M.B., B.CH., B.A.O. 1897.
Costello, Michael J. B., ..	..	M.B., B.CH., B.A.O. 1891.
Costello, Thomas B., ..	..	M.D., B.CH., B.A.O. 1888.
Craig, Samuel R., ..	..	B.A. 1869.
Crean, Martin J., ..	..	M.D. 1857.
Creighton, Robert W., ..	..	B.E. 1883.
Croke, J. O'Byrne, ..	..	†B.A. 1871; M.A. 1874.
Crone, Alexander, ..	..	B.A. 1877.
Crooks, William, ..	..	B.A. 1865.
² Crotty, Richard D., ..	..	B.A. 1861.
Crowley, Patrick, ..	..	M.B., B.CH., B.A.O. 1890.
Cullin, Henry C., ..	..	B.A. 1871.
Cummins, Robert J., ..	..	†B.E. 1900; †B.A. 1901.
Cunningham, John S. A., ..	..	M.D. 1866.
Cunningham, William, ..	..	†B.A. 1861; M.A. 1882.
Cuppige, William B., ..	..	M.D., M.CH. 1871; Dip. Obs. 1877.
Curran, Anthony, ..	..	B.A. 1902.
Curry, David S., ..	..	B.A. 1898.
Curry, Samuel, ..	..	*B.A. 1893.
Dale, William, ..	..	B.E. 1905.
Daly, John H. C., ..	..	M.B., B.CH., B.A.O. 1897.
Davidson, Andrew G., ..	..	†B.A. 1887.
Davies, W. Naunton, ..	..	M.D. 1880; M.CH., Dip. Obs. 1881.
⁵ Davis, John N., ..	..	M.D. 1862.
Davis, John W., ..	..	M.D. 1869.
Davis, William, ..	..	M.D. 1874; M.CH. 1875.
Davy, Alfred H., ..	..	Dip. Eng. 1867; M.D., M.CH. 1870; B.E. 1882.
³ Davy, Francis A., ..	..	M.D. 1867.
Davys, Frank, ..	..	B.A. 1858.
⁴ Daxon, William, ..	..	†M.D. 1862.
⁵ Deane, Henry, ..	..	†B.A. 1865; M.A. 1882.
Deans, John, ..	..	B.A. 1890.
Deans, William, ..	..	B.A. 1891.
¹ Delmege, Alfred G., ..	..	M.D. 1868.

¹ Naval Medical Service.² Resident Magistrate.³ Army Medical Service.⁴ Resident Physician, District Asylum, Ennis.⁵ Engineer-in-Chief of Railways under the Government of Victoria.⁶ Civil Service of Ceylon, Second Place.

Delmege, J. P. De G., ..	..	M.D. 1862.
Dempsey, Alexander, ..	..	M.D. 1874.
Dick, James, .. ..	..	B.A. 1864; †M.A. 1866.
⁹ Dick, John, .. ..	..	M.D. 1869.
Dick, Robert C., ..	..	B.E. 1904; B.A. 1905.
¹ Dickenson, Frederick F.,	..	M.D. 1863.
Dickey, Samuel, ..	..	M.D., M.CH., Dip. Obs. 1879.
Dickson, John D., ..	..	M.D., M.CH., Dip. Obs. 1876.
² Divers, Edward, ..	..	M.D. 1860; D.sc. <i>Hon. Causa</i> 1897.
Dobbyn, John S., ..	..	M.D. 1875.
Dodds, Robert, ..	..	*B.A. 1878; *M.A. 1879.
Donovan, John T., ..	..	B.A. 1906.
Dooley, John L., ..	..	B.A. 1873.
³ Dooley, Michael S., ..	..	B.A. 1865; Dip. Eng. 1865; M.E. 1882.
Dougan, George, ..	..	M.D., M.CH., Dip. Obs. 1875.
Dowling, Edward, ..	..	B.A. 1906.
Dowling, Jeremiah J., ..	..	B.A. 1853; M.D. 1858.
Dowling, John, ..	..	M.B., B.CH., B.A.O. 1906.
Dowling, Patrick A. S.,	..	B.A. 1895; B.E. 1895.
Downard, Thomas, ..	..	*B.A. 1890; M.B., B.CH., B.A.O. 1898.
Doyle, Peter John, ..	..	M.D. 1883.
⁴ Drummond, Michael, ..	..	†B.A. 1869; †M.A. 1870.
Drury, Richard J., ..	..	B.A. 1869; M.D. 1873; Dip. Obs. 1874.
¹ Drury, Robert, ..	..	M.D. 1870.
Duffy, Francis, ..	..	†M.D. 1864; M.CH. 1865.
⁵ Duggan, Charles W., ..	..	*B.A. 1852; *M.A. 1853.
Duke, Alexander W., ..	..	M.D. 1867.
Duncan, Robert M., ..	..	†B.E. 1904.
Dundee, Isaac C., ..	..	B.A. 1874; M.D. 1877; M.CH. 1878.
Dunlop, John L., ..	..	B.A. 1904; †M.B., B.CH., B.A.O. 1906.
Dwyer, Peter J., ..	..	M.D. 1869.
Eagleton, John F., ..	..	M.B. 1885; *M.CH. 1886.
Eakin, Mary D., ..	..	B.A. 1903.
⁶ Eaton, Richard, ..	..	M.D. 1855.
Eaton, Thomas, ..	..	†B.A. 1868; M.A. 1871.
¹ Edge, John D., ..	..	M.D. 1870.
Ekin, Edward, ..	..	†B.A. 1880; M.A. 1881.
Eldon, Joseph, ..	..	M.B., B.CH., B.A.O. 1889; M.D., M.CH. 1895.
Emerson, T. Gilbert, ..	..	M.D., M.CH. 1875.
⁷ Emerson, Thomas, ..	..	B.A. 1891.
⁸ England, William G., ..	..	B.A. 1880.

¹ Army Medical Service.

² F.R.S.; Emeritus Professor of Chemistry in the Imperial University, Tokio, Japan.

³ Telegraph Department, India.

⁴ K.C. (Ireland); Bencher of the Honourable Society of King's Inns; County Court Judge and Chairman of Quarter Sessions of the Counties of Cavan and Leitrim.

⁵ Inspector of National Schools.

⁶ Resident Physician, Asylum, Ballinasloe. ⁷ Civil Service of India.

⁸ B.L. (Ireland).

⁹ Surgeon, Mount Ida District Hospital, Otago, New Zealand.

Entrican, Samuel W., ..	..	†B.A. 1894; M.A. 1896.
Evans, Isaac Rennison,	..	B.A. 1885.
Evans, John, ..	..	B.A. 1852.
³ Evatt, George G. J. H.,	..	M.D. 1863.
⁹ Evatt, Humphrey, ..	..	B.A. 1859.
Fairbrother, Jacob, ..	..	M.D., M.CH. 1884.
Falkiner, George A., ..	..	*B.E. 1871; M.E. 1882.
¹ Falkiner, Richard D., ..	..	†Dip. Eng. 1861; M.E. 1882.
Farley, William J., ..	..	B.A. 1896.
² Farrelly, Michael J., ..	..	†B.A. 1876; M.A. 1882; *LL.B. 1890; LL.D. 1892.
Farrelly, Thomas, ..	..	M.D., M.CH. 1883.
Feeny, Dominick, ..	..	B.A. 1863.
³ Ferguson, Frederick, ..	..	M.D. 1862.
Finnucane, Thomas E.,	..	B.E. 1889.
Fisher, John M., ..	..	†B.E. 1875; M.E. 1882.
⁴ Fisher, Joseph R., ..	..	B.A. 1876.
Fitzgerald, Gerald H.,	..	M.D. 1874; M.CH. 1875.
Fitzpatrick, John, ..	..	†B.A. 1868; M.A. 1869.
⁵ Fitzpatrick, Joseph A.,	..	M.D., M.CH. 1865.
Fitzsimon, C. Collingwood,	..	M.D., Dip. Obs. 1875.
Flack, James, ..	..	M.B., B.CH., B.A.O. 1905.
Flack, William T., ..	..	†B.A. 1894; M.A. 1900.
Flatley, William P., ..	..	*B.E. 1880; M.E. 1882.
Fleming, George H., ..	..	B.E. 1899.
Fleming, Samuel H., ..	..	B.A. 1894; †B.E. 1902.
Fleming, William, ..	..	M.D. 1871; M.CH. 1872.
Flood, John C., ..	..	M.D., M.CH., Dip. Obs. 1875.
Fogarty, Philip C., ..	..	†B.A. 1905.
Foley, Charles H., ..	..	M.B., B.CH., B.A.O. 1893.
Foley, Thomas H., ..	..	M.B., B.CH., B.A.O. 1890.
Forde, Dudley, ..	..	M.B., B.CH., B.A.O. 1903.
Forde, Patrick F., ..	..	†B.A. 1854; *M.A. 1856.
Forde, Michael J., ..	..	M.B., B.CH., B.A.O. 1900.
⁶ Foreman, Robert L., ..	..	B.A. 1864.
Forman, William J., ..	..	B.A. 1876.
Forsyth, Samuel M'C.,	..	*B.A. 1865; M.A. 1882.
Forsythe, Anderson, ..	..	B.A. 1869; M.D. 1871.
Forsythe, John, ..	..	B.A. 1904.
Foy, Alexander R., ..	..	†B.A. 1881; M.A. 1882.
Frazer, Eleanor, ..	..	B.A. 1906.
⁷ French, John G., ..	..	M.D., M.CH. 1870.
Freyer, John, ..	..	B.A. 1882.
¹² Freyer, P. Johnson, ..	..	*B.A. 1872; *M.D., M.CH., Dip. Obs. 1874; M.A. 1882.
Freyer, Samuel, ..	..	B.A. 1884.

¹ Engineer, Public Works of India.² B.L. (Ireland); formerly Member of Senate of the Royal University.³ Army Medical Service.⁴ B.L. (England); Editor of the Belfast *Northern Whig*.⁵ Naval Medical Service.⁶ Civil Service of India.⁷ First Place, Indian Medical Service.⁸ Arnott Medal, 1904.⁹ Surveyor-General, Sierra Leone.

Gahan, Charles J.,	†B.A. 1881; M.A. 1882.
Gahan, Garner,	B.A. 1878.
Gailey, Andrew,	B.A. 1889.
Gailey, John,	B.A. 1882.
Gallagher, Stephen G.,	B.E. 1896.
Gannon, James J. A.,	M.B., B.CH., B.A.O. 1906.
¹ Gannon, William J.,	B.A. 1889; †M.A. 1892.
Garry, Thomas G.,	M.D., M.CH., Dip. Obs. 1883; M.A.O. 1886.
Gaston, James,	B.A., †B.E. 1897.
Geoghegan, A. Osmond,	M.D. 1878; M.CH. 1879.
Geoghegan, F. Meagher,	M.D. 1876.
Gibson, William W.,	M.D. 1881; M.CH. 1882.
Gilchrist, Andrew,	B.A. 1891.
Gill, Peter T.,	B.A., B.E. 1897.
Gillespie, George,	†B.A. 1884; M.A. 1885.
Gillespie, James J.,	B.A. 1880.
Gillespie, Michael,	B.A. 1867; M.D. 1872, M.CH., Dip. Obs. 1873.
Gillespie, William H.,	B.A. 1889; M.A. 1890.
Glover, R. Francis,	†B.A. 1869; M.A. 1882.
Glover, R. Stephen,	*B.E. 1869; M.E. 1882.
Glynn, John,	M.D. 1883.
² Gordon, John,	B.A. 1873; †LL.B. 1876; LL.D. 1882.
³ Gore, Albert A.,	M.D. 1860.
⁴ Gorham, Anthony,	M.D. 1866.
Gorham, James J.,	†B.A. 1872; M.D., M.CH., Dip. Obs. 1875; M.A. 1882.
Gorham, John,	B.A. 1877.
Gormley, John,	B.A. 1861.
³ Gormley, Joseph A.,	M.D., M.CH. 1873.
³ Gouldsberry, V. Skipton,	M.D. 1862.
Graham, George,	M.B., B.CH., B.A.O. 1900.
Grealy, John,	B.A. 1861.
Green, Joseph J.,	B.A. 1862.
Greenfield, John K.,	B.A. 1875.
⁵ Greenway, Alfred G.,	M.D. 1870; M.CH. 1895.
Gregg, Andrew C.,	B.A. 1886.
Gregory, William J.,	M.B., B.CH., B.A.O. 1889.
Griffin, John,	B.A. 1863.
Griffin, Thomas,	†B.A. 1867; M.A. 1882.
Griffith, William,	B.A. 1860.

¹ Elected to Science Research Scholarship by H.M. Exhibition (1851) Commissioners; Lecturer, the Owens College, Manchester; Head Master of the Municipal School of Science, Stafford; Science Master and Inspector to the Staffordshire County Council; Principal of Woolwich Polytechnic.

² K.C. (Ireland); Bencher of the Honourable Society of King's Inns M.P. for South Derry.

³ Army Medical Service

⁴ Fleet-Surgeon, R.N.

⁵ House Physician, General Hospital, Birmingham.

⁵ Hackett, Edward A., ..	..	*B.E. 1880; M.E. 1882.
¹ Hackett, Robert I. Dalbey,	..	*B.A. 1877; †M.D., M.CH. 1880; M.A. 1882.
Hall, Arthur A., ..	..	B.A. 1898; †B.E. 1899.
Hall, Charles B., ..	..	M.D. 1878; M.CH. 1880.
Hall, John, ..	..	B.A. 1902.
Hall, Thomas Andrew,	..	†B.E. 1888; B.A. 1889.
Hallidy, Robert J., ..	..	†B.A., B.E. 1898.
Hamilton, James, ..	..	M.D., M.CH., Dip. Obs. 1875.
Hamilton, James, ..	..	M.B., B.CH., B.A.O. 1889.
Hamilton, Samuel, ..	..	B.A. 1889; M.B., B.CH., B.A.O. 1891.
Hanly, Edward, ..	..	M.D., M.CH. 1879.
Hanly, John J., ..	..	†B.A. 1880; M.A. 1881.
Hanly, Joseph F., ..	..	B.E. 1897.
Hanna, James, ..	..	†B.A. 1874; †M.A. 1876.
Hanna, Robert K., ..	..	†B.A. 1894.
Hannigan, James J., ..	..	B.A. 1904; †B.E. 1905.
¹ Hanrahan, James J., ..	..	M.D. 1864.
Hardiman, James, ..	..	Dip. Agric. 1853.
Hardiman, James J., ..	..	B.A., B.E. 1900.
Hare, Gustavus J. C., ..	..	B.A. 1863; M.A. 1865.
Harkin, James C., ..	..	M.B., B.CH., B.A.O. 1889.
Harper, Henry, ..	..	M.D. 1881.
Harrington, Denis, ..	..	M.D., M.CH., Dip. Obs. 1877.
Harrison, Alexander L.,	..	B.A. 1905.
² Harrison, John H., ..	..	*B.A. 1870; *M.A. 1872.
Harrison, Thomas, ..	..	B.A. 1892.
Hart, James C., ..	..	B.A. 1858.
Haslam, George J., ..	..	†M.D. 1880.
Hayes, John C., ..	..	†B.A. 1892.
Hayes, John S., ..	..	M.D. 1875.
Hayes, Patrick, ..	..	B.A., †B.E. 1890.
Heany, James H., ..	..	M.B., B.CH., B.A.O. 1890.
Hegan, Edwin, ..	..	M.B., B.CH., B.A.O. 1891.
Hegarty, John, ..	..	M.D., M.CH. 1872.
Henderson, John, ..	..	*B.A. 1878; M.A. 1882.
Henderson, Robert W.,	..	M.D., M.CH. 1883.
Henderson, S. Dunlop,	..	M.D., M.CH. 1882.
Henderson, Thomas, ..	..	†B.A. 1877; M.A. 1882.
³ Henry, Augustine, ..	..	*B.A. 1877; *M.A. 1878.
Henry, Joseph, ..	..	†M.D. 1874.
Henry, John W. R., ..	..	B.A. 1857.
Henry, Moses, ..	..	*R.A. 1886; M.A. 1888.
Henry, Moses, ..	..	M.B., B.CH., B.A.O. 1897.
Henry, Rachel J. L., ..	..	B.A. 1906.
⁴ Henry, William E., ..	..	*B.A. 1869; †M.A. 1870.

¹ Army Medical Service.² Civil Service of India.³ Consular Medical Service, China.⁴ President, Wesleyan College, St. John's, New Brunswick.⁵ County Surveyor of Tipperary.

⁹ Henry, John, .. ..	.. ..	*B.A. 1893; *M.A. (with Special Prize) 1894; †B.E. 1895.
¹ Heuston, Francis T., .. ..	.. ..	M.D., M.CH. 1878.
Hewitt, David W., .. ..	.. ..	M.B., B.CH., B.A.O. 1895.
² Hezlett, James M., .. ..	.. ..	†B.A. 1897.
³ Hickman, Arthur, .. ..	.. ..	M.D. 1880.
Hickman, James, .. ..	.. ..	†B.A. 1874; *M.A. 1877.
Hickman, William, .. ..	.. ..	M.D., M.CH. 1872.
Hickson, R. C., .. ..	.. ..	B.E. 1905.
Hilton, Hugh, .. ..	.. ..	†B.A. 1889.
³ Hinds, William R. G., .. ..	.. ..	M.D. 1863.
Hector, William F., .. ..	.. ..	†B.A. 1866; M.A. 1882.
Hogg, T. Simpson, .. ..	.. ..	B.A. 1883.
Holland, John J., .. ..	.. ..	M.D., M.CH., Dip. Obs. 1872.
Holmes, Arthur P., .. ..	.. ..	M.D. 1859.
³ Holmes, Robert A. K., .. ..	.. ..	†B.A. 1866; M.D. 1870; M.A. 1882.
Hooper, Charles J., .. ..	.. ..	*B.A. 1855; †M.A. 1856; *LL.B. 1858; LL.D. 1862.
³ Hooper, Robert, .. ..	.. ..	M.D. 1861.
Horkan, Peter Joseph, .. ..	.. ..	M.D., M.CH. 1884.
Houston, James D. C., .. ..	.. ..	B.A. 1872.
Howley, Richard J., .. ..	.. ..	Dip. Eng. 1895.
Huey, John, .. ..	.. ..	*B.A. 1868; †M.A. 1869.
Huggard, William R., .. ..	.. ..	M.D., M.CH. 1875; B.A. 1876 M.A. 1879.
³ Hughes, John H., .. ..	.. ..	M.D. 1863.
⁴ Hughes, Patrick J., .. ..	.. ..	†B.A. 1853; M.A. 1882.
⁵ Hughes, William, .. ..	.. ..	†B.A. 1866; †Dip. Eng. 1867; M.A., M.E. 1882.
⁶ Hume, George A., .. ..	.. ..	*B.A. 1878; *M.A. 1879; *LL.B. 1880; LL.D. 1882.
Humphreys, John, .. ..	.. ..	*B.A. 1890.
Hunter, Charles W., .. ..	.. ..	†B.A. 1877; *M.A. 1879.
Hunter, Charles H., .. ..	.. ..	B.A. 1893.
⁷ Hurley, Francis B., .. ..	.. ..	B.A. 1856; M.D. 1860.
⁸ Hurley, Patrick, .. ..	.. ..	†B.A. 1862; M.A. 1882.
Hutchinson, James, .. ..	.. ..	†M.D. 1861.

¹ Professor of Anatomy, Royal College of Surgeons in Ireland; Consulting Surgeon to the Coombe Lying-in Hospital, Dublin; Consulting Surgeon to the Cripples' Home, Bray; Surgeon to the Adelaide Hospital, Dublin; Member of the Council, Royal College of Surgeons in Ireland.

² Demonstrator of Physics, Queen's College, Galway; Civil Service of India.

³ Army Medical Service.

⁴ Consular Service of China.

⁵ Engineer, Public Works of India.

⁶ K.C. (Ireland).

⁷ Naval Medical Service.

⁸ Civil Service of India.

⁹ Elected to Science Research Scholarship by H. M. Exhibition (1851) Commissioners, 1896; Demonstrator of Physics, Queen's College, Galway; Junior Fellow in Natural Philosophy, R.U.I., 1899; Assistant in Electrical Engineering in the Technical Institute, Auckland, New Zealand.

Hynes, Michael,	Dip. Eng. 1859; B.E. 1882.
Hynes, Mortimer,	M.B., B.CH., B.A.O. 1895.
¹ Ievers, Robert W.,	B.A. 1870; M.A. 1882.
Ireland, Arthur J.,	M.D. 1861.
Irwin, Albert J.,	B.A. 1888.
Jackson, Burton,	B.A. 1858; M.D. 1862.
Jackson, Mark,	M.D. 1882.
Jackson, Joseph Brown,	M.D., M.CH., 1883.
Jackson, William J.,	*B.A. 1880; M.A. 1882.
James, Arthur,	B.A. 1879.
Jaquet, J. Lewis,	M.D. 1881.
² Jenings, Ulick A.,	M.D., M.CH. 1865.
Jennings, Edward C.,	B.E. 1899.
Jennings, Michael,	M.D. 1881; M.CH. 1885.
Johnson, Alexander M.,	M.D., M.CH. 1883.
Johnson, Samuel,	M.D., M.CH. 1870.
Johnson, Samuel W.,	M.D. 1881.
³ Johnston, James,	*B.A. 1895.
Johnston, J. Wesley,	†B.A. 1854; M.A. 1882.
Johnston, William,	B.A. 1852; M.A. 1882.
Johnston, William M.,	B.A. 1866; M.A. 1868.
Jones, James,	†B.A. 1894; M.A. 1895.
Jordan, Michael J.,	†B.A. 1886.
Jordan, William,	B.A. 1881; M.A. 1882.
⁴ Joyce, Patrick K.,	B.A. 1872; M.B., B.CH., B.A.O. 1893.
² Joynt, Christopher,	M.D. 1855.
² Joynt, E. Hearne,	M.D., M.CH. 1870.
Kane, John,	B.A. 1866.
Kane, Thomas,	*B.A. 1891.
Keane, C. Marceet,	B.A. 1853; *Dip. El. Law, 1865.
Kearney, Daniel,	B.A. 1854.
Keating, William H.,	†B.A. 1882; M.A. 1883.
Keegan, David M.,	†B.A. 1894.
Keegan, James M.,	†B.A. 1886; †M.A. 1887; M.B., B.CH., B.A.O. 1890.
⁵ Keenan, John F.,	†B.A. 1892.
Keers, James,	B.A. 1886.
Kelly, Michael,	*B.A. 1874; *M.A. 1876; M.D. 1882; M.CH., Dip. Obs. 1883.
Kelly, Patrick J.,	M.D. 1857.
Kennedy, John,	M.D., M.CH., Dip. Obs. 1881.

¹ Ceylon Civil Service, First Place; Acting Colonial Secretary for Ceylon, 1891.

² Army Medical Service.

³ Civil Service of India, Third Place.

⁴ Head Master, Royal School, Banagher.

⁵ Demonstrator of Chemistry, Queen's College, Galway.

¹ Kennedy, William, ..	..	*B.A. 1888 ; *M.A. 1890.
Kenny, John D., ..	..	M.D., M.CH. 1884.
Kenny, Patrick J., ..	..	B.A. 1904.
¹² Keogh, Sir Alfred H., ..	..	M.D., M.CH., Dip. Obs. 1878; M.A.O. 1892.
Kernaghan, Thomas W., ..	..	B.A. 1896.
Kerr, Æneas, ..	..	†B.A. 1876 ; M.A. 1882.
Kidd, Charles, ..	..	M.B., B.CH., B.A.O. 1899.
² Killen, James B., ..	..	†B.A. 1863 ; M.A., *LL.B. 1868.
Killen, John M., ..	..	B.A. 1866 ; M.D. 1870.
³ King, Ælian A., ..	..	B.A. 1862 ; M.A. 1882.
⁴ King, William, ..	..	B.A. 1853 ; D.S.C. <i>Honoris causa</i> 1882.
Kingston, William Y., ..	..	M.D., M.CH., Dip. Obs. 1873.
Kirker, H. Fitzwalter, ..	..	B.A. 1881 ; †M.A. 1882.
⁹ Kirwan, James St. L., ..	..	†B.A. 1893 ; M.B., B.CH., B.A.O. 1896.
¹⁰ Kirwan, Robert J., ..	..	B.A. 1892 ; †B.E. 1893.
Knight, William J. R., ..	..	M.D. 1881 ; M.CH. 1885.
Lalor, James, ..	..	B.A. 1855.
Lavertine, Charles, ..	..	B.A. 1875.
Lavertine, Richard A., ..	..	B.E. 1876.
Lawlor, J. Stanislaus, ..	..	M.D., M.CH. 1877.
⁵ Lawson, J. Henry, ..	..	M.D. 1860.
Leary, Joseph W., ..	..	B.A. 1862.
Legate, George W., ..	..	B.A. 1867 ; M.A. 1869.
¹¹ Leslie, Richard W., ..	..	M.D., M.CH. 1887.
⁶ Lestrangle, Edward, ..	..	M.D. 1856.
⁷ Lewis, John P., ..	..	†B.A. 1876 ; M.A. 1882.
Lewis, W. Llewellyn, ..	..	*B.A. 1869 ; *M.A. 1871.
Lightbody, Robert, ..	..	Dip. Eng. 1864 ; B.E. 1882.
Livingstone, John L., ..	..	†M.B., M.CH., M.A.O. 1886.
Loane, Thomas, ..	..	M.D., M.CH. 1874.
Loftus, Joseph J., ..	..	M.B., B.CH., B.A.O. 1889.
Longworth, Peter, ..	..	M.D. 1868.
Lough, William J., ..	..	B.A. 1867.
Love, George C., ..	..	B.A. 1876 ; M.A. 1877.
⁶ Love, Robert L., ..	..	B.A. 1876 ; M.D., M.CH. 1877.
⁸ Lowe, William J., ..	..	†B.A. 1880 ; †M.A. 1881.

¹ University Student, 1890 ; B.A. (with Gold Medal in Classics), T.C.D., 1893 ; Madden Prizeman, T.C.D., 1899 ; F.T.C.D., 1901.

² B.L. (Ireland). ³ District Judge, Ceylon.

⁴ Deputy Superintendent, Indian Geological Survey.

⁵ Lecturer and Surgeon, St. Mary's Hospital, London.

⁶ Army Medical Service. ⁷ Civil Service of Ceylon.

⁸ Clerk of the General Assembly of the Presbyterian Church.

⁹ Resident Medical Superintendent, District Lunatic Asylum, Ballinasloe.

¹⁰ Assistant Inspector, Congested Districts Board for Ireland, County Surveyor for Sligo, 1907. ¹¹ Senator, R.U.I.

¹² C.B. ; Surgeon-General, Medical Director, War Office.

Lundy, Joseph,	B.A. 1892.
Lupton, Henry,	M.D. 1864; M.CH. 1866.
Lyden, Michael J.,	M.D., M.CH. 1877.
Lydon, Patrick J.,	B.A. 1902.
¹ Lynam, Edward W.,	†B.E. 1878; M.E. 1882.
Lynam, James,	†B.A. 1859; M.A. 1882.
Lynam, James,	*B.A. 1872; M.A. 1882.
² Lynam, Joseph D.,	†B.A. 1881; M.A. 1882.
³ Lynam, Patrick,	*B.E. 1872; M.E. 1882.
⁴ Lynam, William P.,	†Dip. Eng. 1866; B.E. 1880; M.E. 1882.
⁵ Lynam, Francis J.,	*B.E. 1884.
Lynch, John B.,	†B.A. 1904.
Lynham, John E. A.,	B.A. 1904.
⁶ Lynham, John I.,	*M.D., M.CH. 1875.
⁷ Lyons, Frederick W.,	†B.A. 1896.
Lyons, James A.,	B.A. 1902.
Lyons, Robert W. S.,	M.D., M.CH. 1881; Dip. Obs., M.A.O. 1888.
Macartney, James,	M.D. 1865.
⁸ Macaulay, Colman P.,	†B.A. 1867; †M.A. 1868.
⁹ Macauley, Charles A.,	M.D., M.CH., Dip. Obs. 1872.
Macauley, Roger,	†M.D. 1873.
¹⁰ MacDonnell, Sir Antony P.,	*B.A. 1864; M.A. 1873; D. LIT. <i>Honoris causa</i> 1882.
MacFeeters, William E.,	M.D., M.CH. 1886.
Macnamara, John Maurice,	B.A. 1879; M.B., M.CH. 1887.
¹¹ Macnamara, Robert J.,	*M.D., M.CH. 1884.
¹² MacNamara, William J. U.,	B.A. 1875; M.D., M.CH. 1878; M.A. 1880.
Madden, Henry M.,	M.D. 1868; M.CH. 1870.
Madden, Henry J.,	M.D. 1865.
Madden, Thomas P.,	M.D., M.CH. 1879.
Madill, Thomas,	B.A. 1861; LL.B. 1878; LL.D. 1879.

¹ Inspector of Board of Works (Ireland).

² Fellow of the Royal College of Preceptors; Inspector of National Schools (Ireland), 1893.

³ First Place, Civil Service of Ceylon; County Surveyor of Louth.

⁴ Engineer, Public Works of India.

⁵ County Surveyor of North Tyrone, 1895.

⁶ Professor of Medicine, Queen's College, Galway; F.R.U.I.

⁷ Inspector, Imperial Chinese Customs, Swatow.

⁸ Civil Service of India; Financial Secretary, Government of Bengal.

⁹ Naval Medical Service.

¹⁰ Civil Service of India; K.C.S.I.; Member of Council of the Viceroy of India; Lieutenant-Governor of the North-West Provinces and Oudh; Under-Secretary to the Lord-Lieutenant of Ireland.

¹¹ Indian Medical Service.

¹² Lieutenant-Colonel, R.A.M.C.

Maguire, Connor J. O'L.	..	M.D., M.CH., Dip. Obs. 1882 , M.A.O. 1892.
Maguire, Edward,	..	†B.A. 1854; M.A. 1882.
⁸ Maguire, Thomas M.,	..	†B.A. 1867; †M.A., LL.B. 1870 LL.D. 1874.
Maguire, Joseph P.,	..	M.B., B.CH., B.A.O. 1895.
Maher, Newenham E.,	..	M.D. 1866.
¹ Mahon, John S.,	..	*B.A. 1891; †M.A. 1892.
⁹ Mahon, Ralph B.,	..	*M.D., M.CH. 1885.
Mahon, William,	..	†B.A. 1883; M.A. 1884.
Mahony, John, ..	..	*B.A. 1854; M.A. 1882.
Mairs, William C.,	..	B.A. 1901; B.E. 1902.
Mallagh, Joseph,	..	†B.A., B.E. 1896.
² Mangan, Denis,	..	†B.A. 1890.
Mann, Samuel, ..	..	B.E. 1900.
³ Mapother, Edward D.,	..	*M.D. 1857.
Marks, C. Ferdinand,	..	M.D. 1874.
Marks, Edward G. K.,	..	M.D., M.CH. 1876.
Marshall, John, ..	..	†B.A. 1867; †M.A. 1869; M.D., M.CH. 1870.
⁴ Martin, James H.,	..	B.E. 1868; M.E. 1882.
Martin, John, ..	..	M.D., Dip. Obs. 1879; M.CH. 1880.
Martin, John W.,	..	M.D., M.CH. 1868.
⁵ Martin, William T.,	..	*B.A. 1859; M.D. 1862; M.A. 1882.
Maunseil, Charles A.,	..	M.D. 1862.
Maxwell, George,	..	B.A. 1903.
Maxwell, Sydney L.,	..	†B.A. 1883.
¹⁰ Maxwell, William H.,	..	†B.A. 1872; †M.A. 1874.
May, William G.,	..	B.A. 1859.
Maybin, Hugh, ..	..	†B.A. 1896.
⁶ Maybin, W., ..	..	*B.A. 1873; M.A. 1882.
Maybury, Lysander,	..	*M.D., M.CH., Dip. Obs. 1878.
Maybury, William A.,	..	M.D., M.CH. 1871; Dip. Obs. 1872.
M'Afee, Alexander,	..	B.A. 1887.
M'Afee, William,	..	M.D., M.CH., Dip. Obs. 1876.
M'Aleer, John, ..	..	M.D., M.CH. 1885; B.A.O. 1888.
M'Askie, William J.,	..	B.A. 1890.
⁷ M'Auliffe, Michael,	..	*B.A. 1860; M.A. 1882.
M'Auliffe, Thomas B.,	..	M.D., M.CH. 1868.
M'Bride, John B.,	..	B.A. 1856.

¹ Inspector of National Schools, First Place.

² Inspector of National Schools.

³ Late Professor of Anatomy and Physiology, Royal College of Surgeons, Ireland.

⁴ Surveyor, Demerara.

⁵ Army Medical Service.

⁶ Principal of Belfast Academy.

⁷ Formerly Divisional Judge of the Punjab; translator of the Sacred Books of the Sikhs.

⁸ B.L. (England).

⁹ F.R.C.S., England.

¹⁰ Ph.D. (St. Lawrence Univ.); LL.D. (Columbia Univ.); Assistant Superintendent of Schools for the City of Brooklyn, New York, 1882-87; Superintendent of Schools for the City of Brooklyn, 1887-98; Superintendent of Schools for the City of New York, 1898.

⁷ M'Call, Robert A.,	B.A. 1867; M.A. 1868; LL.D. <i>Honoris causa</i> 1882.
² M'Carthy, David J.,	M.D. 1862; M.CH. 1875.
² M'Carthy, James,	M.D., M.CH. 1871.
M'Causland, Joseph,	B.A. 1901.
M'Cay, Daniel,	B.E. 1892.
M'Cay, Francis,	B.A. 1889; *B.E. 1890.
M'Clean, Louis T. L.,	†B.A. 1904.
¹ M'Clelland, John A.,	†B.A. 1892; *M.A. 1893 (with Special Prize); D.Sc. <i>Honoris Causa</i> 1906.
² M'Conaghey, John,	M.D., M.CH. 1871.
M'Conaghy, William,	M.D. 1869.
M'Connell, Edward,	M.D. 1881; M.CH. 1882.
M'Connell, Thomas S.,	M.D. 1881; M.CH. 1882.
M'Cormick, John J.,	M.D., Dip. Obs. 1879; M.CH. 1882.
M'Cormick, Henry,	M.D., Dip. Obs. 1879.
M'Corry, Peter,	M.D. 1861.
M'Cosh, John,	B.A. 1876; †M.A. 1881.
M'Crea, Robert A. M. T.,	M.B., B.CH., B.A.O. 1906.
M'Crea, Samuel,	M.D. 1864.
M'Cully, William J.,	B.A. 1866.
M'Cune, Thomas H.,	*B.A. 1883; *M.A. 1884.
³ M'Dermott, B. P. Sarsfield,	B.A., M.D., M.CH. 1878.
M'Dermott, Cornelius,	†B.A. 1878; M.A., M.D., M.CH. 1882.
⁴ M'Dermott, Dominick L.,	†B.A. 1853; M.A. 1882.
M'Donagh, Redmond,	†B.A. 1882; M.A. 1883.
M'Donagh, Stephen J.,	B.A. 1905.
M'Donagh, Thomas J.,	B.A. 1894.
⁵ M'Donnell, James O'M.,	M.D., M.CH. 1869.
M'Donnell, Joseph R.,	M.D. 1881; M.CH. 1882.
⁶ M'Donnell, Mark A.,	M.D., M.CH., Dip. Obs. 1876.
M'Dowell, Thomas H.,	B.A. 1879.
M'Elfatrick, Thomas A.,	B.A. 1896.
M'Elney, Robert,	†B.A. 1884; M.A. 1887.
M'Elrea, William,	B.E. 1879.
M'Elwaine, Robert,	M.D. 1883; M.CH. 1884.
³ M'Elwee, John,	†B.A. 1884; M.D., †M.CH. 1887.
M'Farland, Beattie,	M.D. 1881; M.CH. 1883.
M'Farlane, Hugh,	B.A. 1878; †M.A. 1879.
M'Farlane, Robert A.,	*B.A. 1867; †M.A. 1869.
M'Fetridge, William,	B.A. 1896.

¹ Elected to Science Research Scholarship by H. M. Exhibition (1851) Commissioners, 1894; Junior Fellow in Natural Philosophy, R.U.I., 1895; B.A. Research Degree, Cambridge, 1898; Professor of Natural Philosophy in University College, Dublin, 1900; F.R.U.I., 1901.

² Army Medical Service.

³ Naval Medical Service.

⁴ War Office.

⁵ Indian Medical Service.

⁶ Late M.P. for Leix division of Queen's County.

⁷ K.C. (England); Bencher of the Middle Temple; Attorney-General of the Duchy of Lancaster.

M'Gennis, John, ..	..	M.D., B.CH., B.A.O. 1890.
M'Gilycuddy, Henry A., ..	..	†B.E. 1905.
M'Gloin, Patrick F., ..	..	M.D. 1863; M.CH. 1865.
M'Granahan, James, ..	..	B.A. 1882.
M'Granahan, William, ..	..	B.A. 1876.
M'Grath, Edward H., ..	..	B.A. 1901; M.A. 1902.
MacGregor, William, ..	..	†B.A. 1893; M.A. 1894; †LL.B. 1897; LL.D. 1901.
M'Ilroy, John, ..	..	M.D., B.A.O. 1883.
M'Ilveen, John, ..	..	B.A. 1868.
¹ M'Ilwaine, Robert, ..	..	B.A. 1893; M.A. 1894; LL.B. 1895.
² M'Kane, John, ..	..	*B.A. 1860; *M.A. 1862.
M'Kee, William J., ..	..	†B.A. 1887.
M'Kelvey, Thomas, ..	..	M.B., B.CH., B.A.O. 1898.
M'Kenzie, John, ..	..	B.A. 1865; M.A. 1871.
M'Kinlay, John, ..	..	M.D., Dip. Obs. 1878; M.CH. 1879.
M'Kinley, David, ..	..	B.A. 1896; B.E. 1898.
³ M'Kinney, Hugh G., ..	..	Dip. Eng. 1867; M.E. 1882.
M'Kinney, Samuel B. G., ..	..	†B.A. 1870; M.A. 1882.
M'Lachlan, John S., ..	..	B.A. 1902; †B.E. 1903.
⁹ M'Lachlan, Robert B., ..	..	B.E. 1903; B.A. 1904.
M'Laren, James B., ..	..	*B.A. 1881; M.A. 1882.
M'Laughlin, John, ..	..	M.D. 1880.
M'Lean, Andrew H., ..	..	B.E. 1899.
M'Lean, Robert J., ..	..	B.A. 1898.
M'Loughlin, Francis, ..	..	†M.D. 1881.
⁴ M'Mahon, George Y., ..	..	B.A., Dip. El. Law 1852; †M.A. 1860.
⁵ M'Mahon, William, ..	..	M.D. 1862.
M'Manus, Leonard S., ..	..	M.D., M.CH. 1882.
M'Millan, Hugh, ..	..	M.D., M.CH., Dip. Obs. 1873.
M'Millan, John, ..	..	B.A. 1875.
M'Mordie, Elijah, ..	..	B.A. 1873; M.A. 1874.
M'Mullan, Hugh S., ..	..	B.A. 1892.
⁶ M'Nally, Christopher J., ..	..	M.D., M.CH. 1871.
M'Namara, John W., ..	..	B.A. 1873; †M.D. 1879.
⁷ M'Namara, Joseph C., ..	..	B.A. 1874.
⁸ M'Namara, William J. U., ..	..	B.A. 1875; M.D., M.CH. 1878; M.A. 1880.
M'Neill, John R., ..	..	M.D., M.CH. 1881.

¹ Assistant Magistrate, Salisbury, British South Africa.

² Late Barrington Lecturer; Professor of English Law, Queen's College, Belfast; B.L. (Ireland); M.P. for Mid-Armagh.

³ Engineer, Public Works of India.

⁴ Late Professor of Modern Languages, Royal College, Mauritius.

⁵ Naval Medical Service.

⁶ Army Medical Service.

⁷ Inspector of National Schools.

⁸ Demonstrator, Queen's College, Galway; Indian Medical Service, First Place.

⁹ Engineer, Public Works of India.

M'Quaid, Peter J., ..	..	M.D., M.CH. 1872.
M'Sherry, Edward H., ..	..	M.D., M.CH., M.A.O. 1886.
M'Swinney, George H., ..	..	M.D., M.CH. 1871.
⁷ M'Swinney, Robert F., ..	..	†B.A. 1866; M.A. 1868; *LL.B. 1870; LL.D. 1882.
M'Vittie, R. Blake, ..	..	M.D. 1876.
Megarry, James, ..	..	B.A. 1872.
Megaw, Robert T., ..	..	B.A. 1877; LL.B. 1885; LL.D. 1887.
⁸ Meharry, John B., ..	..	B.A. 1868.
Millea, William C., ..	..	B.A. 1891.
¹ Millar, William J., ..	..	†B.A. 1881; M.A. 1882; †LL.B. 1887.
Milligan, William, ..	..	M.D., M.CH., M.A.O. 1886.
Mills, John A., ..	..	B.A. 1897; M.B., B.CH., B.A.O. 1900.
Mills, Samuel, ..	..	B.A. 1862.
² Mills, William S., ..	..	†B.A. 1898; †M.A. 1900; B.E. 1905; D.SC. 1906.
Milward, Edwin O., ..	..	†B.A. 1873; †M.A. 1875.
Minniken, John, ..	..	B.A. 1877.
⁵ Minnis, Samuel E., ..	..	†B.A. 1903.
Mitchell, Andrew A., ..	..	M.D. 1879; M.CH. 1891.
Mitchell, Campbell M., ..	..	M.D., M.CH. 1883.
Mitchell, Charles A. P., ..	..	M.D., M.CH., Dip. Obs. 1879.
Mitchell, Robert, ..	..	†B.A. 1871; M.A. 1882.
Mitchell, Robert, ..	..	M.D., M.CH. 1879.
³ Mitchell, Robert J., ..	..	*B.A. 1854; *M.A. 1860; D. LIT. <i>Honoris causa</i> 1882.
Mitchell, W. J., ..	..	M.D. 1883.
Moffett, Samuel, ..	..	B.A. 1867.
Molloy, Mark, ..	..	†B.A. 1881; M.A., LL.B. 1882; LL.D. 1883.
Molony, Henry G., ..	..	B.A. 1873; M.D., M.CH. 1876.
Molony, John, ..	..	B.A. 1874.
Molony, John S., ..	..	B.A. 1874; †B.E. 1877; M.E. 1882.
Molony, Timothy, ..	..	M.D., M.CH. 1872.
⁴ Monroe, John, ..	..	*B.A. 1857; *M.A. 1859; *LL.B. 1862; LL.D. 1882.
⁶ Monroe, Samuel H., ..	..	*B.A. 1873; M.A. 1882.
Montagu, Cuthbert F., ..	..	*Dip. Eng. 1904.
Montgomery, Alexander W., ..	..	†B.A. 1895; M.B., B.CH., B.A.O. 1897.
Moody, John, ..	..	B.A. 1882.

¹ District Inspector, R.I.C.

² Demonstrator of Chemistry, Queen's College, Galway; elected to Science Research Scholarship by H. M. Exhibition (1851) Commissioners, 1900; Lecturer in Chemistry, Royal Polytechnic, Woolwich, 1906.

³ Late Inspector of National Schools; Inspector, Registrar-General's Office, Ireland.

⁴ Student, Inns of Court, London; Judge of High Court of Ireland.

⁵ University Scholar in Modern Languages (First Place), 1901; Home Civil Service, 1904.

⁶ Sessional Crown Solicitor, Armagh.

⁷ First Law Student, Inns of Court, London, 1871; B.L. (England); Bencher of the Inner Temple.

⁸ Moderator of the Synod of the Presbyterian Church in England, 1906.

Moody, Samuel,	..	..	B.A. 1863.
Moody, William,	..	..	B.A. 1887; M.B., B.CH., F.A.O. 1893.
Moon, Frederick W.,	..	..	†B.E. 1897.
Moon, James R.,	..	..	B.E. 1870.
Moon, Robert A.,	..	..	B.E. 1890.
Moore, Ambrose L.,	..	..	†B.E. 1906.
Moore, John A.,	..	..	B.E. 1904.
Moore, John H.,	..	..	*B.A. 1858; M.D. 1861; M.A. 1882.
Moore, William D.,	..	..	M.D., M.CH. 1880.
Moore, William Irwin,	..	..	B.A. 1899.
Moorhead, William R.,	..	..	*B.A. 1865; *M.A. 1866; M.D. 1869.
¹ Moorhead, James,	..	..	*B.A. 1871; *M.A. 1872; *M.D. 1875.
Moorhead, John,	..	..	*B.A. 1855; *M.D. 1856; *M.A. 1857.
Moorhead, John R.,	..	..	B.A. 1881; *LL.B. 1886.
² Moran, John,	..	..	*B.A. 1870; *M.A. 1872; †LL.B. 1878; LL.D. 1879.
Moran, John,	..	..	B.A. 1891; B.E. 1902.
Moran, Michael,	..	..	M.B., B.CH., B.A.O. 1897.
Morris, Arthur E.,	..	..	M.D., M.CH. 1883.
³ Morris, John James,	..	..	M.D., Dip. Obs. 1873; M.CH. 1874.
Morris, Michael O'K.,	..	..	B.A. 1854; M.D. 1857; M.CH. 1865.
Morrison, W. J.,	..	..	B.A. 1904.
Morrow, Henry W.,	..	..	B.A. 1881; M.A. 1882.
Morton, David,	..	..	B.A. 1887.
Morton, John H.,	..	..	B.A. 1881.
Moylan, Hannah A.,	..	..	†B.SC. 1896.
Moylan, Michael J.,	..	..	B.A. 1873.
Moynan, Joseph,	..	..	B.E. 1881.
Moynan, Richard M.,	..	..	M.D., M.CH. 1882.
Moynan, William A.,	..	..	M.D., M.CH. 1881.
⁴ Moynan, W. E. Bonsall,	..	..	M.D., M.CH., Dip. Obs. 1872
⁵ Mulholland, William,	..	..	†B.A. 1863; M.A. 1882.
² Mullally, Michael,	..	..	*B.A. 1871; †M.A. 1873.
Mullally, William T.,	..	..	M.D., M.CH. 1880.
³ Mullen, Douglas,	..	..	M.D. 1872; M.CH., Dip. Obs. 1873.
⁴ Mullen, Jarlath J.,	..	..	M.D., M.CH., Dip. Obs. 1873.
³ Mullen, St. Laurence,	..	..	M.D., M.CH. 1868.
⁴ Mullen, Thomas F.,	..	..	M.D. 1864; M.CH. 1865.
⁶ Mulligan, James,	..	..	†B.A. 1869; *M.A. 1871.
Mullin, James,	..	..	†B.A. 1874; M.D., M.CH., Dip. Obs. 1880; M.A. 1882.
Mullin, John F. L.,	..	..	M.D. 1880; M.CH. 1881.
Munro, William H.,	..	..	†B.A. 1880; M.A. 1882; M.D., M.CH. 1885.
Murphy, Michael E.,	..	..	M.D. 1868.
³ Murray, Charles F. K.,	..	..	M.D. 1868; M.CH. 1884.
Murray, G. Stanley,	..	..	M.D., M.CH. 1875.

¹ First Place Indian Medical Service.

² Inspector of National Schools. ⁷ M.R.I.A.

³ Naval Medical Service. ⁴ Army Medical Service.

⁵ Barrington Lecturer; K.C. (England).

⁶ B.L. (England); Bencher of Gray's Inn.

Neilson, Robert A.,	M.B., B.CH., B.A.O. 1898.
Nelson, Thomas E.,	B.A. 1880; M.A. 1881; *LL.B. 1884; LL.D. 1886.
¹ Newell, Peter,	B.A. 1882.
Nicholls, John W.,	M.D., M.CH., Dip. Obs. 1873.
Nicholson, William,	M.B., B.CH., B.A.O. 1900.
Nicholson, George F.,	M.D. 1875.
² Nightingale, Walter H.,	B.E. 1880; M.E. 1882.
Nixon, John C.,	†B.A. 1893; M.B., B.CH., B.A.O. 1895.
Norris, Patrick J.,	M.D. 1869.
³ Norton, Bernard G.,	B.A. 1860.
.	
O'Brien, Daniel,	M.D., M.CH. 1869.
O'Brien, Michael,	M.D. 1875.
O'Brien, Thomas M.,	M.D., M.CH., 1877; Dip. Obs. 1879.
¹¹ O'Connell, David V.,	M.D., Dip. Obs. 1881; M.CH. 1882; M.A.O. 1893.
O'Connor, George,	*B.A. 1874; *M.A. 1875.
O'Connor, Patrick,	M.D., M.CH. 1877.
O'Connor, P. Fenelon,	B.A. 1871; M.D., M.CH., Dip. Obs. 1874.
⁵ O'Connor, Thomas P.,	†B.A. 1866; M.A. 1873.
O'Dea, Martin,	M.B., B.CH., B.A.O. 1893.
O'Dea, Simon,	B.E. 1899.
⁶ Odling, Charles W.,	Dip. Eng. 1865; M.E. 1882.
O'Donel, Claudius,	M.D. 1883.
⁷ O'Donnell, Charles J.,	B.A. 1868; M.A. 1870.
⁸ O'Donnell, Francis Hugh,	†B.A. 1865; *M.A. 1868.
⁴ O'Farrell, Thomas,	B.A. 1861; †M.A. 1863; M.D. 1864.
O'Feely, Timothy O'B.,	B.A. 1856; *LL.B. 1857; LL.D. 1860.
⁹ O'Flaherty, Thomas A.,	*M.D. 1859.
O'Flynn, Michael J.,	M.B., B.CH., B.A.O. 1903.
O'Gorman, Patrick,	M.D. 1882; M.CH. 1883.
O'Hara, Charles,	Dip. Agric. 1855; *B.A. 1860; M.D. 1865; M.A. 1882.
¹⁰ O'Hara, Robert F.,	B.A. 1873.
¹ O'Hara, Thomas,	Dip. Agric. 1852; †B.A. 1860; M.A. 1882.
O'Kelly, Thomas,	M.D. 1879.

¹ Inspector of National Schools. ² Engineer, Public Works of India.

³ Late Judge of Superior Court, British Guiana.

⁴ Army Medical Service.

⁵ M.P. for Scotland Division of Liverpool.

⁶ C.S.I.; Chief Engineer and Secretary to the Government, North-West Provinces, in the Public Works Department; Member of Legislative Council, N.W. Provinces and Oudh, India.

⁷ Civil Service of India; M.P. for Walworth, 1906; formerly Charles M'Donald.

⁸ Formerly Francis Macdonald; late M.P. for Dungarvan.

⁹ Naval Medical Service.

¹⁰ B.L. (Ireland).

¹¹ Lieut.-Colonel, R.A.M.C.

1 O'Kinealy, James,	*B.A. 1858; M.A. 1882; LL.D. <i>Honoris Causa</i> 1882.
O'Kinealy, Michael,	*Dip. Eng. 1855; M.E. 1882.
2 O'Kinealy, Peter,	*B.A. 1874; †M.A., †LL.B. 1875; LL.D. 1882.
O'Malley, David J.,	M.D., M.CH. 1881.
3 O'Neill, George F.,	*B.A. 1858; †M.A. 1862.
10 O'Neill, Joseph J.,	*B.A. 1901; †M.A. 1902.
4 O'Neill, Peter J.,	B.A. 1872.
5 Oram, John E.,	*B.E. 1868; M.E. 1882.
O'Reilly, Myles W.,	M.D., Dip. Obs. 1879; M.CH. 1880.
O'Reilly, Walter W. J.,	M.D. 1870; M.CH. 1871.
6 O'Reilly, Henry W. H.,	M.B., B.CH., B.A.O. 1891.
O'Shaughnessy, Michael M., ..	†B.E. 1884.
6 O'Sullivan, Patrick J.,	M.D., M.CH. 1875.
7 O'Sullivan, Thomas,	M.D., M.CH. 1869; Dip. Obs. 1878.
Padin, Thomas,	†B.A. 1864; M.A. 1882.
Paisley, William,	M.B., B.CH., B.A.O. 1899.
6 Palmer, Dean P.,	M.D. 1864.
Parker, James D.,	B.A. 1854; Dip. El. Law 1855; LL.B. 1857; LL.D. 1864.
8 Parker, Joseph,	M.D., M.CH. 1874.
Parry, Edward J.,	M.D. 1881.
Patterson, Samuel,	B.A. 1881.
Paul, John,	†B.A. 1890.
Pearson, James D.,	B.A. 1897; B.E. 1898.
11 Perry, Agnes M.,	†B.A. 1903; †M.A. 1905.
Perry, Alice J.,	*B.E. 1906.
Perry, Janet H.,	†B.A. 1906.
Perry, Margaret,	†B.A. 1904.
Peterson, Richard A.,	M.D. 1868.
Pierse, Gerard J.,	M.D., B.CH., B.A.O. 1889.
Pillow, Henry,	M.D., M.CH. 1886.
Porterfield, Samuel,	B.A. 1902; M.B., B.CH., B.A.O. 1905.
Potter, Robert,	M.D. 1862.
Powell, George H.,	M.D., M.CH., Dip. Obs. 1881.
Pritchard, Thomas,	M.D. 1880; M.CH. 1883.
Purcell, Matthew,	M.B., M.CH. 1887.
6 Purefoy, John W.,	M.D. 1864.
9 Pye, Joseph P.,	*M.D., M.CH. 1871; D.Sc. <i>Honoris</i> <i>Causa</i> 1882.

¹ Civil Service of India.

² B.L. (England).

³ Inspector of National Schools.

⁴ B.L. (Ireland).

⁵ Late Professor in the University of King's College, Windsor, Nova Scotia; late Librarian and Chief Clerk, R.U.I.

⁶ Army Medical Service.

⁷ Naval Medical Service. ⁸ Indian Medical Service

⁹ Professor of Anatomy and Physiology, and late Professor of Materia Medica, Queen's College, Galway; F.R.U.I.

¹⁰ Lecturer in Modern Irish, Victoria University, Manchester; Inspector of National Schools, 1907.

¹¹ University Scholar in Mathematics (First Place), 1901.

Quigley, James,	Dip. Eng. 1906.
Quinn, Martin,	B.A. 1863.
Quinton, John H.,	B.A. 1871; B.E. 1872.
Quirk, Martin,	M.D., M.CH., Dip. Obs. 1875.
Raddin, George H.,	B.A., B.E. 1892.
Rankin, William J.,	M.D. 1865.
¹ Rathborne, Charles A.,	M.D., M.CH. 1870.
² Raye, Daniel O'C.,	M.D. 1865.
³ Rea, Thomas,	*B.A. 1899; *M.A. 1900.
Read, Richard,	M.D., M.CH. 1872.
Reade, Hector M.,	B.A. 1877.
Redmond, William H.,	B.E. 1906.
Reed, Sir Andrew,	B.A. 1859; *LL.B. 1877; LL.D. 1878; M.A. 1882.
¹ Reed, Matthew,	M.D., M.CH. 1870.
² Reid, Robert,	B.A. 1854.
Reid, William Joseph,	†B.A. 1861; M.A. 1882.
Reidy, Charles,	B.A. 1880.
⁵ Rentoul, Robert R.,	M.D. 1880.
⁶ Rentoul, James Alex.,	B.A. 1869; †LL.B. 1874; LL.D. 1875.
Rentoul, James L.,	B.A. 1906.
Reynolds, T. Taylor,	M.D., M.CH. 1879.
Richards, Henry E. S.,	M.B., B.CH., B.A.O. 1901.
Richardson, John H.,	B.A. 1852.
Riordan, Daniel,	M.D. 1878; Dip. Obs. 1879.
⁷ Rishworth, Frank S.,	†B.F. 1898; B.A. 1899.
⁸ Roe, William,	M.D. 1863.
Roseingrave, Thomas W.,	B.E. 1881.
Ross, David R.,	M.D., M.CH. 1875.
Ross, J. Alexander,	M.D. 1868; M.CH. 1869.
Ross, John R.,	B.A. 1863; M.D. 1866.
Rosten, William M.,	M.D. 1874.
Roulston, Robert J.,	M.D., M.CH., Dip. Obs. 1880.
Rowney, George A. H.,	B.A. 1882; B.E. 1883.
Rusk, John,	B.A. 1886; M.B., B.CH., B.A.O. 1894.
Rutherford, Robert L.,	M.D. 1881; M.CH. 1882.
⁹ Rutherford, William,	M.D., M.CH. 1871; Dip. Obs. 1873; M.A.O. 1885.

¹ Naval Medical Service.² Army Medical Service.³ Junior Fellow in Modern Languages, R.U.I., 1901; B.A. Research Degree, Cambridge, 1903; Lecturer in German and Teutonic Philology at the University College of North Wales, Bangor.⁴ K.C.B., C.V.O.: Inspector-General, R.I.C.⁵ Direct Representative of the Registered Practitioners of England on the General Medical Council.⁶ K.C. (England); Judge of the City of London Court, 1901; late M.P. for East Down.⁷ Instructor in Engineering under the Egyptian Ministry of Education.⁸ Professor of Midwifery, Royal College of Surgeons, Ireland; late Examiner in the Queen's University.⁹ F.R.C.P., Edinburgh.

Rutledge, Andrew,	B.A. 1892.
Rutledge, John G.,	B.A. 1893; M.A. 1894.
Ryan, Dominick D.,	†B.A. 1852; M.A. 1882.
¹ Ryan, Hugh,	*B.A. 1895; *M.A. 1897 (with Gold Medal); D.Sc. 1899.
Ryan, John,	M.D., M.Ch., M.A.O. 1885.
Ryan, John,	B.A., B.E. 1893.
² Sandys, William A., ..	M.B., B.Ch., B.A.O. 1901.
Saunderson, James E., ..	B.A. 1862; M.D., M.Ch. 1866.
Saunderson, Robert, ..	M.D. 1870.
³ Saunderson, William H., ..	B.A. 1863; M.A. 1864.
Scott, Ernest F.,	M.B., B.Ch., B.A.O. 1901.
Scott, Frederick S.,	M.B., B.Ch., B.A.O. 1898.
Semple, Martin,	M.D., M.Ch. 1888.
⁴ Semple, Robert J.,	†B.A. 1888; *M.A. 1889.
Semple, Samuel,	B.A. 1881; M.A. 1882.
Sexton, William,	M.D., M.Ch., M.A.O. 1885.
Shanklin, John G.,	M.B., B.Ch., B.A.O. 1905.
Shannon, Owen J.,	†B.A. 1883; M.A. 1889.
Shannon, Patrick J.,	M.D. 1864; M.Ch. 1865.
⁵ Sharkey, Edmund de la Garde, ..	B.A. 1863; *M.A. 1866.
³ Sharpe, William,	M.D. 1866; M.Ch. 1868.
³ Shaw, John A.,	M.D. 1863.
Shiel, Joseph R.	B.A. 1871; †M.A. 1873; *LL.B. 1874; LL.D. 1882.
Shine, Eugene,	B.A. 1879.
⁶ Shore, Robert,	†B.A. 1875; *M.A. 1877; †M.D. 1880.
⁷ Sigerson, George,	M.D. 1859; M.Ch. 1865.
Simms, John M.,	B.A. 1879.
Simpson, William,	M.D. 1872; M.Ch., Dip. Obs. 1873.
Simpson, William A.,	M.B., B.Ch., B.A.O. 1903.
⁸ Skilling, Thomas,	Dip. Agric. 1852.
⁶ Sloan, John,	M.B., B.Ch., B.A.O. 1898.
Sloane, George,	B.A. 1883.
⁶ Smith, Henry,	B.A. 1883; M.D., M.Ch., M.A.O. 1888.
Smith, Henry W. S.,	B.A. 1904.

¹ Demonstrator of Chemistry, Queen's College, Galway; elected to Science Research Scholarship by H. M. Exhibition (1851) Commissioners, 1898; University Student 1898; Professor of Chemistry in the Catholic University School of Medicine (Dublin) 1899; F.R.U.I. 1900.

² Demonstrator of Anatomy, Queen's College, Galway.

⁴ University Student, 1889; Examiner in History, R.U.I.; Lecturer in History, Queen's College, Belfast.

³ Army Medical Service.

⁵ Civil Service of India.

⁶ Indian Medical Service.

⁷ Professor of Botany and Zoology, Catholic University Medical School; F.R.U.I.

⁸ Director of Model Farm, Royal Park, Melbourne.

Smith, Joseph, ..	..	B.A. 1884 ; LL.B. 1887.
Smith, J. Anderson, ..	..	†B.A. 1853 ; M.A. 1882.
Smith, Robert J., ..	..	B.A. 1861.
Smithwick, Richard H., ..	..	B.E. 1879.
¹ Smylie, Archibald, ..	..	B.A. 1864 ; †M.A. 1874 ; LL.B., LL.D. 1877.
Smyth, John, ..	..	M.D., M.CH. 1879.
Smyth, Thomas C., ..	..	B.A. 1880 ; M.A. 1882.
Smith, William J., ..	..	B.A. 1865 ; M.D. 1872 ; M.A. 1882.
² Somerville, Richard N., ..	..	B.A. 1871 ; B.E. 1873.
Spence, J. Beveridge, ..	..	M.D., M.CH. 1869.
Spencer, William F., ..	..	M.D., M.CH. 1872.
³ Steen, James R., ..	..	†M.B., B.CH., B.A.O. 1890.
⁸ Steinberger, Cecilia L. M., ..	..	*B.A. 1902.
Stephens, William, ..	..	M.D. 1866.
Stewart, John, ..	..	B.A. 1885.
⁴ Stewart, Joseph, ..	..	†M.B., *M.CH., M.A.O. 1887.
Stewart, Robert F., ..	..	B.A. 1861.
Stewart, Washington S., ..	..	B.A. 1866.
⁵ Stoker, Sir Thornley, ..	..	M.D. 1866 ; M.CH. <i>Honoris Causa</i> 1895.
Stokes, William, ..	..	M.D. 1878 ; M.CH., Dip. Obs. 1880.
¹⁰ Stoney, Edward W., ..	..	*Dip. Eng. 1863 ; B.E. 1872 ; M.E. 1882.
⁶ Stoney, John H. L., ..	..	M.D. 1861.
Strain, James K. C., ..	..	B.A. 1896.
⁹ Strain, Thomas G., ..	..	*B.A. 1904.
Stratford, John, ..	..	B.E. 1881.
Stuart, James, ..	..	B.A. 1895.
Stuart, Simson, ..	..	M.D. 1880 ; M.CH. 1883.
⁷ Stuart, Thomas, ..	..	*B.A. 1895 ; *M.A. 1896 ; D.Sc. 1900.
Stuart, William, ..	..	Dip. Eng. 1893.
Sugars, John C., ..	..	M.D., M.CH. 1868.
Sullivan, John, ..	..	B.A. 1878.

¹ B.L. (Australia).

² County Surveyor, Cavan.

³ Travelling Medical Scholar, R.U.I., 1890.

⁴ Travelling Medical Scholar, R.U.I., 1889 ; Demonstrator of Anatomy, Queen's College, Galway.

⁵ Surgeon, Richmond Hospital ; F.R.U.I. ; late Professor of Practical Anatomy, and late President, R.C.S.I.

⁶ Late Surgeon, City of Dublin Hospital ; late Demonstrator, R.C.S.I.

⁷ University Scholar in Mathematics, 1892 ; Demonstrator of Physics, Queen's College, Galway ; B.A. Research Degree, Cambridge, 1902 ; Junior Fellow in Mathematical Science, R.U.I., 1902 ; Lecturer in Mathematics in the University College of South Wales and Monmouthshire, 1903 ; Assistant to the Professor of Mathematics on Purser Foundation, Queen's College, Belfast, 1904 ; Lecturer in Mathematics, Royal Polytechnic, Woolwich, 1906.

⁸ University Scholar in Modern Literature (First Place), 1900.

⁹ University Scholar in Mathematics, 1898.

¹⁰ Engineer-in-Chief of the Madras Railways.

Talbot, Bertram H., ..	..	B.A. 1869.
Tate, Davis D., ..	..	M.D. 1868.
Tatham, Garnett G., ..	..	M.D. 1877.
⁶ Taylor, William J., ..	..	M.B., B.CH., B.A.O. 1888.
Thomas, William R., ..	..	M.D., M.CH. 1875.
Thompson, Atwell, ..	..	*B.E. 1886; †B.A. 1887.
Thompson, David, ..	..	B.A. 1871.
Thompson, Frances L., ..	..	†B.A. 1904.
¹ Thompson, George, ..	..	B.A. 1865.
Thompson, Henry G., ..	..	M.D., M.CH. 1877.
Thompson, James, ..	..	†B.A. 1883.
² Thompson, William H., ..	..	*M.D., M.CH. 1883; Dip. for Mental Diseases, 1886.
Thompson, William J., ..	..	†B.E. 1882.
³ Thomson, Sir William, ..	..	B.A. 1867; M.D., M.CH., Dip. Obs. 1872; M.A. <i>Honoris Causa</i> 1881.
Thorpe, Joseph C, ..	..	M.D. 1864.
Threfall, Richard B., ..	..	M.B., B.CH., B.A.O. 1898.
⁴ Thynne, Henry, ..	..	*B.A. 1859; *LL.B. 1873; M.A., LL.D. 1882.
Tierney, Daniel, ..	..	B.A. 1856; Dip. Eng. 1857; B.E. 1882.
⁵ Todd, Andrew, ..	..	†B.A. 1876; *LL.B. 1879; M.A., LL.D. 1882.
Todd, Robert H., ..	..	B.A. 1870; M.A. 1871; †LL.B. 1873; LL.D. 1875.
Torrens, James, ..	..	*B.A. 1866; *M.A. 1867; M.D. 1883; M.CH. 1884.
Townsend, Thomas A., ..	..	†B.E. 1869; M.E. 1882.
Twigg, William, ..	..	M.D. 1862.
Vance, George, ..	..	M.D., M.CH. 1886; B.A.O. 1888.
Vance, Robert, ..	..	*B.A. 1879; †M.A. 1880.
Vinrace, Felix C., ..	..	M.D. 1881.
Waddell, Sydney, ..	..	M.B., B.CH., B.A.O. 1900.
Wadsworth, William A., ..	..	M.D. 1884; B.CH. 1888.

¹ Master, Doveton College, Calcutta.

² Late Dunville Professor of Physiology, Queen's College, Belfast; King's Professor of the Institutes of Medicine, T.C.D.; Hon. Sc.D., T.C.D., 1904.

³ C.B.; Surgeon, Richmond Hospital; Examiner, R.C.S.I.; Member of Senate, R.U.I.; Examiner in the Queen's University; late President R.C.S.I.; Direct Representative for Ireland on the General Medical Council; Surgeon in Ordinary to his Excellency the Lord Lieutenant.

⁴ C.B.; Deputy Inspector-General, R.I.C.

⁵ K.C. (Ireland); Senior Crown Counsel for County Longford.

⁶ Army Medical Service.

⁶ Walker, Andrew J.,	B.A. 1895.
Walker, Cuthbert F.,	B.A. 1897.
Walker, William,	B.A. 1894; B.E. 1895.
Waller, Edmund W.,	Dip. Eng. 1861; B.E. 1882.
¹ Walsh, Michael,	†B.A. 1867; †M.D., M.CH., Dip. Obs. 1873.
Walsh, Patrick,	B.A. 1906.
Walsh, Peter,	B.A. 1904.
² Walsh, Thomas,	B.A. 1899; M.B., B.CH., B.A.O. 1904.
Walsh, Thomas,	B.E. 1905.
Ward, Peter,	B.A. 1867.
³ Warnock, James,	*B.A. 1901; *M.A. 1903 (with Special Prize); *M.B., B.CH., B.A.O. 1906.
Warnock, William,	M.B., B.CH., B.A.O. 1902.
Warren, J. Monteith,	M.D., M.CH. 1874.
Warren, William E.,	B.A. 1871; M.D. 1873.
Warren, William H.,	M.D. 1866.
Waters, Eaton W.,	M.B., M.CH. 1886; †M.A.O. 1887.
⁷ Waters, George A.,	M.D., M.CH. 1884.
Waters, Horace R.,	B.E. 1885.
Waters, Joseph J.,	M.B., B.CH., B.A.O. 1899.
Waterworth, Hugh,	*B.A. 1877; M.A. 1879.
Watson, Edwin,	*B.E. 1903.
Watson, John,	B.A. 1897.
Watt, George,	†B.A. 1896.
Watters, Francis O. M.,	B.A. 1880; M.A. 1881.
Watters, William,	†B.A. 1877; M.A. 1882; M.D., M.CH. 1883.
⁴ Watts, Walter A.,	B.A. 1856; M.A. 1857.
Wells, Charles,	M.D. 1880.
Wenyon, Charles,	M.D., M.CH. 1880.
West, John D.,	B.A. 1859.
⁵ West, Sir Raymond,	*B.A. 1855; †M.A. 1869; LL.D. <i>Honoris causa</i> 1882.
White, James F.,	M.D. 1880; M.CH., Dip. Obs. 1881.
White, Michael,	M.D., M.CH. 1873.

¹ Demonstrator of Anatomy, Queen's College, Galway.

² Demonstrator of Chemistry, Queen's College, Galway; Robert Platt Physiological Research Scholar in the Owens College, Manchester, 1901; Demonstrator of Anatomy, Queen's College, Galway, 1905-1906.

³ Demonstrator of Physics, Queen's College, Galway.

⁴ Late Professor, Training College, Toronto.

⁵ K.C.I.E.; Judge of the High Court of Bombay; Vice-Chancellor, University of Bombay; Member of the Council of the Government of Bombay; Teacher of Indian Law in the University of Cambridge.

⁶ Demonstrator of Chemistry, Queen's College, Galway; Ph.D., Heidelberg, 1898; Lecturer in Chemistry, Borough Polytechnic Institute, London; Head of Chemistry Department, Municipal Technical College, Derby.

⁷ Naval Medical Service; Fleet Surgeon.

White, Patrick B.,	..	..	M.D., M.CH. 1883; Dip. Obs. 1884; M.A.O. 1885.
⁷ White, Sinclair,	..	..	*M.D., M.CH., Dip. Obs. 1879.
White, Thomas R.,	..	..	†M.D. 1862.
⁸ Whitton, Joseph,	..	..	B.E. 1899; B.A. 1900.
⁹ Williams, J. O'Brien,	..	..	M.D., M.CH. 1877.
Williams, William,	..	..	M.D., M.CH. 1869.
⁶ Wilson, David, †..	..	..	†B.A., B.E. 1895.
Wilson, James, ..	..	..	M.D. 1879.
Wilson, John, ..	..	..	B.A. 1865; M.A. 1866.
¹ Wilson, J. Bower,	..	..	M.D. 1871.
Wilson, Robertson B. S.,	..	..	†B.A. 1869; †M.A. 1870.
² Wilson, Samuel L.,	..	..	†B.A. 1875; †M.A. 1876.
³ Wilson, Thomas N.,	..	..	*B.A. 1861; M.A. 1882.
Wilson, William N.,	..	..	B.A. 1865; †M.A. 1866.
Winder, James, ..	..	..	†B.A. 1865; M.A. 1882.
Wise, Charles H.,	..	..	*M.D. 1882.
Wood, George V.,	..	..	M.D., M.CH. 1866.
⁴ Wood, John E.,	..	..	†B.A. 1864; M.A. 1882.
⁵ Woods, Richard J.,	..	..	†B.E. 1874; M.E. 1882.
<hr/>			
Zouche, Isaiah de,	..	..	†M.D. 1865

¹ Army Medical Service.

² Professor in the Assembly's College, Belfast.

³ Civil Service of India.

⁴ Inspector of National Schools.

⁵ Engineer, Public Works of India.

⁶ Associate M. Inst. C.E. ; Assistant to the Engineer-in-Chief, Natal Government Railways.

⁷ Lecturer on Physiology and Hygiene, Firth College, Sheffield.

⁸ Assistant Surveyor (2nd Class) under the Board of Works for Ireland.

⁹ Naval Medical Service.

SCHOLARS.

SESSION 1849-50.

Faculty of Arts.

JUNIOR SCHOLARSHIPS.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Richardson, John H.	Duggan, Charles W.
Norton, Bernard G.	Ford, Patrick F.
M'Mahon, George Y.	Ryan, Dominick D.
M'Dermott, Dominick.	M'Grath, John.
Fynn, Peter J.	Powell, John.
Murphy, Thadeus.	Scott, Patrick.
Power, Richard.	Howze, John.
M'Mullen, James A.	O'Feely, Timothy O'B.
Kyle, Christopher.	Eames, Richard F.
O'Maher, William.	Blake, Joseph V.
Fitzgerald, Nicholas.	Evans, John.
Johnston, William.	Johnston, John.
Eaton, Richard.	Ferguson, Robert.
Hughes, Patrick J.	Tully, Joseph.
Kelly, Patrick.	Skerrett, Peter.
Gibson, John.	Duggan, Joseph.
O'Kelly, Edmond.	Walkinshaw, Robert.
Irwin, George.	King, William.
Pall, Joshua.	St. George, Henry.
Hearne, John Henry.	M'Mahon, Thomas A.
Dopping, James H.	
Hurly, Joseph.	
Scott, William A.	

School of Engineering.

FIRST YEAR.

Drysdale, Charles. | Gardiner, Martin.

School of Agriculture.

FIRST YEAR.

Skilling, Thomas. | O'Hara, Thomas.

SESSION 1850-51.

Faculty of Arts.

SECOND YEAR.

Literary Division.

Richardson, John H.
 M'Dermott, Dominick.
 Kyle, Christopher.
 M'Mahon, George.
 Murphy, Thadeus.
 Johnston, William.
 Irwin, George.
 Hughes, Patrick J.

Science Division.

Scott, Patrick.
 Powell, John.
 Ryan, Dominick D.
 Duggan, Charles W.
 Howze, John.
 Duggan, Joseph.
 Johnston, John.
 Evans, John.
 O'Feely, Timothy O'B.
 King, William.
 Walkinshaw, Robert.
 Fynn, Peter J.

FIRST YEAR.

Literary Division.

M'Gowan, Robert.
 Smith, J Anderson.
 M'Grath, Thomas.
 Montgomery, James. }
 Mitchell, Robert J. } *equal.*
 Berwick, John.
 Browne, William A.
 Kilkelly, Garrett H.
 Perrin, Patrick.
 Lalor, James.

Science Division.

Warrell, James.
 Stephens, Robert.
 Moorhead, John.
 Jackson, Burton.
 Comyns, William.
 Hurly, Joseph.
 Roach, Edward.
 Slater, James.
 Gardiner, Martin.
 O'Doherty, John.
 Gilmore, Charles.

Faculty of Law.

SECOND YEAR.

Ryan, Dominick D.

FIRST YEAR.

Keane, C. Marceet.

Faculty of Medicine.

SECOND YEAR.

Eaton, Richard. | O'Leary, John

FIRST YEAR.

Skerrett, Peter. | Kelly, Patrick J.

School of Engineering.**SECOND YEAR.**

Drysedale, Charles.

FIRST YEAR.

Eames, Richard F.

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School of Agriculture.**SECOND YEAR.**

Skilling, Thomas.		O'Hara, Thomas.
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FIRST YEAR.

O'Hara, Charles.		Comyns, Patrick J.
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SESSION 1851-52.

Faculty of Arts.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Richardson, John H.
Johnston, William.
Murphy, Thadeus.

Science Division.

Duggan, Charles.
Scott, Patrick.
Evans, John.
Howze, John.
Walkinshaw, Robert.
King, William.
Duggan, Joseph.

SECOND YEAR.

Literary Division.

Mitchell, Robert J.
Browne, William A.
Berwick, John.
Smith, J. Anderson.
Hughes, Patrick J.
Mahony, John.
Fynn, Peter J.
Kilkelly, Garrett.

Science Division.

Ford, Patrick F.
Breen, Michael.
Maguire, Edward.
Roach, Edward.

FIRST YEAR.

Literary Division.

Moffett, James.
Fleming, William.
Dunlop, Charles.
Hurley, Francis B.
Jackson, Burton. } *equal.*
Hooper, Charles J. }
Arthur, John.
Ireland, Arthur J.

Science Division.

M'Shane, John.
Kearney, Daniel. } *equal.*
Johnson, J. Wesley. }
Colahan, John. } *equal.*
Atkinson, Samuel }

Faculty of Law.

THIRD YEAR.

Ryan, Dominick D.

SECOND YEAR.

Keane, C. Marceet.

FIRST YEAR.

Stephens, Robert.

Faculty of Medicine.

THIRD YEAR.

Eaton, Richard.		O'Leary, John.
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SECOND YEAR.

Kelly, Patrick J.		Skerrett, Peter.
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FIRST YEAR.

Joynt, Christopher.		Moorhead, John.
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School of Engineering.

SECOND YEAR.

Powell, John.

FIRST YEAR.

O'Doherty, John.

School of Agriculture.

SECOND YEAR.

O'Hara, Charles.

FIRST YEAR.

Short, William.		M'Grath, John.
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SESSION 1852-53.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Richardson, John, B.A.
Metaphysical and Economic Science, ..	Johnston, William, B.A.
Natural History,	Duggan, Charles, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Hughes, Patrick J.	M'Dermott, Dominick.
Mitchell, Robert J.	Smith, John A.
Browne, William A.	Powell, John.
Berwick, John.	Ford, Patrick F.
Mahony, John.	Roach, Edward.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Jackson, Burton.	Maguire, Edward.
Hooper, Charles J.	Kearney, Daniel.
Hurley, Francis B.	Atkinson, Samuel.
Johnson, John W.	Colahan, John.
Clarke, William.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
* West, Raymond.	* West, Raymond.
Treanor, W. Stanley.	Breen, Daniel.
Charters, William. } <i>equal.</i>	Gilmore, Stewart.
Arnold, Pierce. }	Stephens, Samuel.
Davys, Frank. }	Dillon, Gerald.

Faculty of Law.

SENIOR SCHOLARSHIPS.

Ryan, Dominick D., B.A.

THIRD YEAR.

Keane, C. Marceet.

SECOND YEAR.

O'Feely, Timothy O'B.

FIRST YEAR.

Walkinshaw, Robert.

* Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Therapeutics and Pathology, O'Leary, John

THIRD YEAR.

Blake, James V. | Kelly, Patrick.

SECOND YEAR.

Moorehead, John. | Joynt, Christopher.

FIRST YEAR.

*West, Raymond. | Ireland, Arthur J.
Crinnian, P.

School of Engineering.**SECOND YEAR.**

Breen, John.

FIRST YEAR.

Howze, John.

School of Agriculture.**SECOND YEAR.**

M'Grath, John. | Hardiman, James.

FIRST YEAR.

M'Donagh, William. | M'Mahon, Thomas.

* Resigned.

SESSION 1853-54.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Dowling, Jeremiah J., B.A.
Modern Languages and Modern History, ..	Hughes, Patrick J., B.A.
Metaphysical and Economic Science, ..	Browne, William A., B.A.
Natural History,	M'Dermott, Dominick, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
† Charters, William.	} <i>equal.</i>	Maguire, Edward.
Clarke, William.		Hurley, Francis B.
Hooper, Charles J.		Colahan, John.
Johnston, John W.		Kearney, Daniel.
Jackson, Burton.		Atkinson, Samuel.

SECOND YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
*West, Raymond.	}	*West, Raymond.
Treanor, W. Stanley.		Tierney, Daniel.
Fleming, William.		Dillon, Gerald.
Arnold, Pierce.		Stephens, Samuel.
Davy's, Frank.		Short, William.

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Thomson, Alfred B.	} <i>equal.</i>	Adair, James J.
Coffie, Edward.		Dowman, William.
Henry, John W. R.		Gormley, John.
Stirke, Julius W.		Watts, Walter A.
Conolly, James.		Breen, John.

* Having obtained *First* place in both divisions, retains both Scholarships.

~ According to Minute of Council.

Faculty of Law.**SENIOR SCHOLARSHIP.**

Keane, C. Marceet, B.A.

. THIRD YEAR.

Stephens, Robert.

SECOND YEAR.

Mason, William.

FIRST YEAR.

Perrin, Patrick.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, ..	..	..	Blake, Joseph V.
Therapeutics and Pathology,	Kelly, Patrick J.

THIRD YEAR.

Moorhead, John.		Joynt, Christopher.
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SECOND YEAR.

Ireland, Arthur J.		Purcell, Patrick J.
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FIRST YEAR.

Mahony, John.

School of Engineering.

SECOND YEAR.

M'Donagh, William.

FIRST YEAR.

Meharg, William.

School of Agriculture.

SECOND YEAR.

M'Donagh, William.

FIRST YEAR.

Carrick, Daniel. | O'Leary, Arthur.

SESSION 1854-55.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Mahony, John, B.A.
Mathematics,	Ford, Patrick F., B.A.
Natural Philosophy,	Maguire, Edward, B.A.
Metaphysical and Economic Science, ..	Kearney, Daniel, B.A.
Chemistry,	M'Dermott, Domk., B.A.
Natural History,	Parker, James D., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

*West, Raymond.
Arnold, Pierce.
Treanor, W. Stanley.
Davys, Frank.

Science Division.

*West, Raymond.
Tierney, Daniel.

SECOND YEAR.

Literary Division.

Henry, John W. R.
Conolly, James.

Science Division.

Gormley, John.
Watts, Walter A.
Dowman, William.
O'Hara, Thomas.

FIRST YEAR.

Literary Division.

Lane, George.
Hooper, Robert.
Monroe, John.
Reddan, John.
Stewart, Robert F.

Science Division.

Moore, John H.
Bateman, Richard C.
Bruen, Patrick.
Ross, Cornelius P.
Thane, Charles H.

Faculty of Law.

THIRD YEAR.

Mason, William.

SECOND YEAR.

Perrin, Patrick.

FIRST YEAR.

Hooper, Charles J.

* Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Therapeutics and Pathology, Duggan, Joseph.

SECOND YEAR.

Colahan, John. | Crean, Martin J.

FIRST YEAR.

Hurley, Francis B. | O'Brien, James.

School of Engineering.

SECOND YEAR.

O'Kinealy, Michael.

FIRST YEAR.

O'Kinealy, James.

School of Agriculture.

SECOND YEAR.

Carrick, Daniel. | Keane, John E.

FIRST YEAR.

Gouldsberry, V. Skipton. | Wall, Walter S.

SESSION 1855-56.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	West, Raymond, B.A.
Modern Languages and Modern History, ..	Mahony, John, B.A.
Natural Philosophy,	Ford, Patrick F., B.A.
Metaphysical and Economic Science, ..	Hooper, Charles J., B.A.
Chemistry,	Maguire, Edward, B.A.
Natural History,	Moorhead, John, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Conolly, James.	Watts, Walter A.
Henry, John W. R.	Gormley, John.
	O'Hara, Thomas.
	Breen, John.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Monroe, John.	Thane, Charles H.
Treanor, Arthur.	Adair, James J.
Bateman, Richard C.	Burke, Martin J.
West, John D.	Moore, John H.
Stewart, Robert F.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Hunter, John.	Thynne, Henry.
Stewart, Washington S.	O'Kinealy, James.
Evatt, Humphrey.	Quinn, Martin.
Hart, James C.	O'Neill, George F.
	Grealy, John.

Faculty of Law.

THIRD YEAR.

O'Feely, Timothy O'B.

FIRST YEAR.

Arnold, Pierce.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Therapeutics and Pathology, Morris, Michael O'K., B.A.

THIRD YEAR.

Colahan, John. | Crean, Martin J.

SECOND YEAR.

Hurley, Francis B. | O'Flaherty, Thomas A.

FIRST YEAR.

Sigerson, George. | M'Bride, John B.

School of Engineering.**SECOND YEAR.**

Quinn, Michael.

FIRST YEAR.

Weir, John.

School of Agriculture.**SECOND YEAR.**

Gouldsberry, V. Skipton. | O'Donohoe, Patrick.

FIRST YEAR.

Bradshaw, George B. | Killery, Henry.

SESSION 1856-57.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, &c.,	Arnold, Pierce, B.A.
Mathematics,	Maguire, Edward, B.A.
Metaphysical and Economic Science, ..	O'Feely, Timothy O'B., B.A.
Chemistry,	Watts, Walter A., B.A.
Natural History,	Mahony, John, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Monroe, John.	Adair, James J.
Bateman, Richard C.	Moore, John H.
Stewart, Robert F.	Greene, Joseph R.
West, John D.	Burke, Martin J.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Neill, George F.	Thynne, Henry.
Hunter, John H.	O'Kinealy, James. } <i>equal.</i>
Hart, James C.	Grealy, John.
	Quinn, Martin.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Lawson, Charles H.	Reed, Andrew A.
(Also a prize of £10.)	Weir, John.
M'Mahon, William.	Martin, William T.
*Martin, William T. } <i>equal.</i>	May, William G.
Martin, William.	*Lawson, Charles H.
O'Brien, Julius.	O'Hara, Charles.
Lynam, James.	

Faculty of Law.

SENIOR SCHOLARSHIP.

Parker, James D., B.A.

THIRD YEAR.

Perrin, Patrick.

FIRST YEAR.

*Lawson, Charles H. | O'Hara, Thomas.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

SENIOR SCHOLARSHIPS.

Anatomy and Physiology,	.. ..	Reid, Robert, B.A.
Therapeutics and Pathology,	Colahan, John.

THIRD YEAR.

O'Flaherty, Thomas A.		Killery, St. John.
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SECOND YEAR.

Burke, John P.		Bournes, William H.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Lane, George.		Gormley, John.

School of Engineering.

SECOND YEAR.

Blake, Martin P.

FIRST YEAR.

Cullen, Alexander.

School of Agriculture.

SECOND YEAR.

Bradshaw, George B.		King, Nicholson.
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FIRST YEAR.

Bligh, John.		Clarke, Denis.
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SESSION 1857-58.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, &c.,	Monroe, John, B.A.
Modern Languages and Modern History,	Arnold, Pierce, B.A.
Mathematics,	Tierney, Daniel, B.A.
Natural Philosophy,	Bateman, Richard C., B.A.
Metaphysical and Economic Science, ..	M'Mahon, George Y., B.A.
Chemistry,	Hurley, Francis B., B.A.
Natural History,	Maguire, Edward, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Neill, George F.	O'Kinealy, James.
Hart, James C.	Thynne, Henry.
	Quinn, Martin.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Stewart, Washington S.	Reed, Andrew A.
Martin, William T.	May, William G.
Lynch, Martin.	Griffith, William.
Lynam, James.	Weir, John.
Conolly, Patrick W.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Nicoll, Robert.	Cunningham, William.
M'Auliffe, Michael.	Murray, John.
Hopkins, Jacob B.	Davison, William.
Potter, Robert.	Burdge, William E.
Smith, Robert J.	O'Farrell, William.

Faculty of Law.

SENIOR SCHOLARSHIP.

O'Feely, Timothy O'B., B.A.

SECOND YEAR.

Madill, Thomas.

FIRST YEAR.

West, John D.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Therapeutics and Pathology O'Flaherty, Thomas A.

THIRD YEAR.

Burke, John P. | Burke, Martin J.

SECOND YEAR.

Hooper, Robert. | Divers, Edward.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
M'Mahon, William.	|	Moore, John H.

School of Engineering.**SECOND YEAR.**

Connolly, Michael.

FIRST YEAR.

Mac Farlane, Alexander.

School of Agriculture.**SECOND YEAR.**

Bligh, John. | Clarke, Denis.

FIRST YEAR.

Rorke, Patrick. | Burke, John R.

SESSION 1858-59.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, &c.,	Mitchell, Robert J., B.A.
Modern Languages and Modern History,	O'Neill, George F., B.A.
Mathematics,	O'Kinealy, James, B.A.
Natural Philosophy,	Moore, John H., B.A.
Metaphysical and Economic Science, ..	Monroe, John, B.A.
Chemistry,	Breen, Michael, B.A.
Natural History,	Bateman, Richard C., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Norton, Bernard G.
Conolly, Patrick W.
Martin, William T.

Science Division.

Reed, Andrew A.
May, William G.
Griffith, William.
Evatt, Humphrey.
Grealy, John.

SECOND YEAR.

Literary Division.

M'Auliffe, Michael.
O'Brien, Julius.
Smith, Robert J.

Science Division.

Davison, Thomas.
Ireland, Edward.
O'Farrell, William.
O'Hara, Charles.

FIRST YEAR.

Literary Division.

* Wilson, Thomas N.
Greer, James R.
‡ Blood, Bindon.
Greer, John H.
Madill, Thomas.

Science Division.

* Wilson, Thomas N.
† Blood, Bindon.
Dowman, Charles.
Atkinson, John.
† Greer, James R.
M'Dermott, Brian.
O'Farrell, Thomas. } *equal.*

* Having obtained *First* place in both divisions, retains both Scholarships.

† Ineligible, having obtained Scholarship in other division.

‡ Lieutenant-General Sir Bindon Blood, K.C.B., R.E.

Faculty of Law.**SENIOR SCHOLARSHIP.**

Hooper, Charles J., B.A.

SECOND YEAR.

West, John D.

FIRST YEAR.

M'Kane, John.

|

Monroe, John.

Faculty of Medicine.**SENIOR SCHOLARSHIPS.**

Anatomy and Physiology,	Maguire, Edward, B.A.
Therapeutics and Pathology,	Burke, Martin J., B.A.

THIRD YEAR.

Climo, William H.

|

Hooper, Robert.

SECOND YEAR.

M'Mahon, William.

|

Davis, John N.

FIRST YEAR.

Literary Division.

M'Kane, John.

M'Cracken, Thomas.

|

Science Division.

White, Thomas R.

School of Engineering.

SECOND YEAR.

Thynne, Henry.

FIRST YEAR.

Galwey, Charles.

School of Agriculture.

SECOND YEAR.

Bright, William A.

FIRST YEAR.

Mullins, John.

|

Rentoul, James.

SESSION 1859-60.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, &c.,	.. ..	M'Mahon, George Y., B.A.
Modern Languages and Modern History,		Mitchell, Robert J., B.A.
Natural Philosophy,	.. ..	Thynne, Henry, B.A.
Metaphysical and Economic Science,		O'Neill, George F., B.A.
Chemistry,	.. ..	O'Kinealy, James, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
M'Auliffe, Michael.	|	O'Hara, Charles.
	|	Davison, Thomas.
	|	Ireland, Edward.

SECOND YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
* Wilson, Thomas N.	|	* Wilson, Thomas N.
Cunningham, William.	|	Atkinson, John.
Crotty, Richard D.	|	Dowman, Charles.
Madill, Thomas.	|	M'Dermott, Brian.
Smith, Washington.	|	Reid, William J.
		} <i>equal.</i>

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Hurley, Patrick.	|	Burke, Michael J.
O'Connor, John.	|	King, Ælian A.
Saunderson, James E.	|	Stokes, George.
Mills, Samuel.	|	Falkiner, Richard D.
Madden, Henry M.	|	M'Enery, Edward.
		} <i>equal.</i>

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Monroe, John, B.A.

FIRST YEAR.

Louden, John J.

* Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Medicine.

SENIOR SCHOLARSHIPS.

Anatomy and Physiology, Climo, William H.
 Therapeutics and Pathology, Divers, Edward.

THIRD YEAR.

Davis, John N. | Evans, Charles.

SECOND YEAR.

White, Thomas R. | Potter, Robert.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Connolly, Patrick.		Howse, John.

School of Engineering.

SECOND YEAR.

Waller, Edmund W.

FIRST YEAR.

Grealy, John. .

School of Agriculture.

SECOND YEAR.

Killery, Henry. | Mullins, John.

FIRST YEAR.

Greaven, Dominick. | Burke, Edward.

SESSION 1860-61.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, &c.,	M'Auliffe, Michael, B.A.
Modern Languages and Modern History,	Conolly, James, B.A.
Mathematics,	Thynne, Henry, B.A.
Natural Philosophy,	O'Kinealy, James, B.A.
Metaphysical and Economic Science, ..	O'Hara, Thomas, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Cunningham, William.
Wilson, Thomas N.
Crotty, Richard D.
Madill, Thomas.
Smith, Washington.

Science Division.

Atkinson, John.
O'Farrell, Thomas.
Reid, William J.
Johnson, John.

SECOND YEAR.

Literary Division.

Greene, Joseph J.
Leary, Joseph W.
Hurley, Patrick.
Mills, Samuel.
Saunderson, James E.
M'Kenzie, John.

Science Division.

King, Ælian A.
* Leary, Joseph W.
Burke, Michael J.

FIRST YEAR.

Literary Division.

Sharkey, Edmund de la Garde
Feeny, Dominick.
† Mac Donnell, Antony P.
Crooks, William.
Padin, Thomas.

Science Division.

Saunderson, William H.
Young, Robert.
Griffin, John.
Callaghan, Patrick.
Daly, William.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Monroe, John.

SECOND YEAR.

Louden, John J.

FIRST YEAR.

Costigan, Thomas J.

* Ineligible, having obtained Scholarship in other division.

† Mr. Mac Donnell was awarded an Exhibition in the Medical Faculty in lieu of this Scholarship.

Faculty of Medicine.

SENIOR SCHOLARSHIPS.

Anatomy and Physiology,	.. ..	Davis, John N.
Therapeutics and Pathology,	Gouldsberry, V. Skipton.

THIRD YEAR.

Comerford, Michael.		Potter, Robert.
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SECOND YEAR.

King, Charles E.		Hughes, John H.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Hanrahan, James J.		Bligh, John.

School of Engineering.

SECOND YEAR.

Falkiner, Richard D.

FIRST YEAR.

Stoney, Edward W.

School of Agriculture.

FIRST YEAR.

O'Flynn, John T.		Kearney, Ambrose.
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SESSION 1861-62.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Wilson, Thomas N., B.A.	
Modern Languages and Modern History,	Conolly, Patrick.	} <i>equa..</i>
	M'Auliffe, Michael.	
Mathematics,	Atkinson, John, B.A.	
Natural Philosophy,	O'Hara, Charles, B.A.	
Metaphysical and Economic Science,	Cunningham, William, B.A.	
Chemistry,	Reid, William J., B.A.	
Natural History,	O'Farrell, Thomas, B.A.	

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
*Leary, Joseph W.	*Leary, Joseph W.
Greene, Joseph J.	King, Ælian A.
Hurley, Patrick.	
Mills, Samuel.	
Saunderson, James.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Sharkey, Edmund de la Grade	Griffin, John.
Hare, Gustavus J. C.	Saunderson, William H.
Mulholland, William.	Daly, William.
Feeny, Dominick.	Moody, Samuel.
Padin, Thomas.	M'Enery, Edward.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Wood, John E.	Foreman, Robert L.
Smylie, Archibald.	Winder, James.
Mac Donnell, Antony P.	Thompson, George
Thynne, Andrew.	Burke, John.
Droughton, Edward.	Dooley, Michael S.

* Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Law.**SENIOR SCHOLARSHIP.**

Monroe, John, M.A.

THIRD YEAR.

Louden, John J.

SECOND YEAR.

Costigan, Thomas J.

FIRST YEAR.

M'Dermott, Brian.

Faculty of Medicine.**SENIOR SCHOLARSHIPS.**

Anatomy and Physiology,	White, Thomas R. (£40).
Therapeutics and Pathology,	Davis, John N.

THIRD YEAR.

M'Mahon, William.		Dickenson, Frederick F.
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SECOND YEAR.

Bligh, John.		Lightbody, William H.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Lynch, Martin.		Thomson, William.

School of Engineering.**SECOND YEAR.**

Stoney, Edward W.

FIRST YEAR.

Stanley, Alexander.

School of Agriculture.**FIRST YEAR.**

Corbett, Thomas.		Nally, William.
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SESSION 1862-63.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Conolly, James, B.A.
Modern Languages and Modern History,	Conolly, Patrick W., B.A.
Mathematics,	King, Ælian A., B.A.
Natural Philosophy,	Atkinson, John, B.A.
Metaphysical and Economic Science, ..	Wilson, Thomas N., B.A.
Chemistry,	O'Farrell, Thomas, B.A.

THIRD YEAR.

Literary Division.

Hare, Gustavus J. C.
 Mulholland, William.
 Feeny, Dominick.
 Crooks, William.
 M'Kenzie, John.

Science Division.

Griffin, John.
 Saunderson, William H.
 Moody, Samuel.

SECOND YEAR.

Literary Division.

Wood, John E.
 Mac Donnell, Antony P.
 Smylie, Archibald.
 Wallace, John.
 Droughton, Edward.

Science Division.

Foreman, Robert L.
 *Wallace, John.
 Burke, John.
 Winder, James.
 Dooley, Michael S. } *equal.*
 Thompson, George. }

FIRST YEAR.

Literary Division.

Wilson, William N.
 M'Farlane, Robert A.
 Persse, William D.
 Killen, John M.
 Torrens, James.

Science Division.

Deane, Henry.
 Moorhead, William R.
 Gaynor, William. } *equal.*
 Gibbons, Thomas. }
 Greaven, Dominick.

Faculty of Law.

THIRD YEAR.

Costigan, Thomas J.

SECOND YEAR.

M'Dermott, Brian.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

SENIOR SCHOLARSHIPS.

Anatomy and Physiology,	Hinds, William R. G.
Therapeutics and Pathology,	Dwyer, Peter J.

THIRD YEAR.

Comerford, Henry.	Hanrahan, James J.
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SECOND YEAR.

Saunderson, James E.	Thomson, William.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Baldwin, H.		Smith, William A.

School of Engineering.

SECOND YEAR.

Stanley, Alexander.

FIRST YEAR.

Odling, Charles W.

School of Agriculture.

FIRST YEAR.

Chambers, Thomas.	Boyd, John S.
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SESSION 1863-64.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Sharkey, Edmund de la Garde, B.A.
Modern Languages and Modern History,	King, Ælian A., B.A.
Mathematics,	Griffin, John, B.A.
Natural Philosophy,	Saunderson, William H., B.A.
Metaphysical and Economic Science, ..	Mulholland, William, B.A.
Chemistry,	O'Hara, Charles, B.A.
Natural History,	Chestnut, Joseph W., B.A.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Mac Donnell, Antony P.	Foreman, Robert J.
Wood, John E.	Daly, William.
Maybin, William.	Dooley, James.
Droughton, Edward.	Dooley, Michael S.
Smylie, Archibald.	Thompson, George.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Farlane, Robert A. } <i>equal.</i>	Deane, Henry. } <i>equal.</i>
Wilson, William N. }	Moorhead, William R. }
Persse, William D.	Forsyth, Samuel M'C.
Mac Donald, Francis.	Greaven, Dominick.
Meharry, John B.	Grealy, Nicholas.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Swinney, Robert F.	Walsh, Thomas.
Legate, George W.	Hughes, William.
Macaulay, Colman P.	Hector, William F.
O'Connor, Thomas P.	Griffin, Thomas.
Gillespie, Michael.	Brooke, John.

Faculty of Law.

THIRD YEAR.

Atkinson, John, B.A.

FIRST YEAR.

Atkinson, Nicholas.

Faculty of Medicine.

FOURTH YEAR.

Anatomy and Physiology,	.. ..	Comerford, Henry (£25).
Therapeutics and Pathology,	.. ..	Wilson, William J. (£25).
Therapeutics (<i>Special Exhibition</i>),	Lupton, Henry (£18).

THIRD YEAR.

Bligh, John.		Conway, John K.
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SECOND YEAR.

Boyd, John S.		Gorham, Anthony.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Holmes, Robert A. K.		Walsh, Anthony.

School of Engineering.

THIRD YEAR.

M'Kelvey, Thomas.

SECOND YEAR.

Odling, Charles W.		Potter, Michael.
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FIRST YEAR.

Lynam, William P.		Walker, Richard.
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SESSION 1864-65.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Dick, James, B.A.	
Modern Languages and Modern History,	{ MacDonnell, Antony P., B.A. Sharkey, Edmund de la Garde, B.A. }	} equal.
Natural Philosophy,	Griffin, John, B.A.	
Metaphysical and Economic Science,	Conolly, Patrick W., B.A.	
Chemistry,	Conolly, James, B.A.	
Natural History,	Wood, John E., B.A.	

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Wilson, William N.	Winder, James.
M'Donald, Francis.	Burke, John.
Persse, William D.	Deane, Henry.
Meharry, John B.	Forsyth, Samuel M'C.
M'Farlane, Robert A.	Moorhead, William R.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Moffett, Samuel.	Brooke, John.
M'Swinney, Robert F.	Hughes, William.
Killen, John M.	Griffin, Thomas.
Clancy, John J.	Lough, William J.
Dickey, Conly.	Walsh, Thomas.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
* Ward, Peter.	* Ward, Peter.
Maguire, Thomas M.	Brooke, William.
	Mathews, William.
	Ievers, Henry.
	Walsh, Michael.
	Colahan, William H. W.

Faculty of Law.

SENIOR SCHOLARSHIP.

Atkinson, John, B.A.

THIRD YEAR.

Mulholland, William.

SECOND YEAR.

Atkinson, Nicholas.

FIRST YEAR.

Crooks, William.

* Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Medicine.

FOURTH YEAR.

Bligh, John.		Saunderson, James E
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THIRD YEAR.

Purke, Michael J.		Gorham, Anthony.
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SECOND YEAR.

Sharpe, William.		Warde, Michael.
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FIRST YEAR.

Literary Division.

Reed, Matthew.		Cleary, Michael J.
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School of Engineering.

THIRD YEAR.

Odling, Charles W.

SECOND YEAR.

Lynham, William P.

FIRST YEAR.

Davy, Alfred.		Taaffe, Michael.
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SESSION 1865-66.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Wilson, William N., B.A.
Modern Languages and Modern History,	Sharkey, Edmund de
	Garde, B.A.
Mathematics,	Deane, Henry, B.A.
Natural Philosophy,	Foreman, Robert L., B.A.
Metaphysical and Economic Science, ..	Moorhead, William R., B.A.
Chemistry,	Forsyth, Samuel M'C., B.A.
Natural History,	Wilson, John, B.A.

THIRD YEAR.

Literary Division.

Moffett, Samuel.
 M'Swinney, Robert F.
 Killen, John M.
 Clancy, John J.
 Dickey, Conly.

Science Division.

Brooke, John.
 Hughes, William.
 Griffin, Thomas.
 Lough, William.
 Walsh, Thomas.

SECOND YEAR.

Literary Division.

Macaulay, Colman P.
 Maguire, Thomas M.
 Gillespie, Michael.
 Marshall, John.

Science Division.

Brooke, William.
 Colahan, William H. W.
 Walsh, Michael.
 Ward, Peter.
 Gaynor, William.

FIRST YEAR.

Literary Division.

M'Donald, Charles.
 Fitzpatrick, John.
 Dooley, John L.
 Howley, James.
 Talbot, Bertram H.

Science Division.

M'Ilveen, John.
 Smith, Oliver.
 M'Kenna, Thomas.
 Colahan, Nicholas W.
 Lewis, W. Llewellyn.

Faculty of Law.

SENIOR SCHOLARSHIP.

Mulholland, William, B.A.

THIRD YEAR.

Atkinson, Nicholas.

SECOND YEAR.

[None.]

FIRST YEAR.

M'Donald, Francis, B.A.

Faculty of Medicine.

FOURTH YEAR.

Conway, John K.		Conolly, James.
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THIRD YEAR.

Davy, Francis A.		Sharpe, William.
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SECOND YEAR.

Saunderson, William H.		Sugars, John C.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Murphy, Michael E.		Hegarty, John.

School of Engineering.

THIRD YEAR.

Lynam, William P.

SECOND YEAR.

Davy, Alfred.		Grealy, Nicholas.
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FIRST YEAR.

Nightingale, Walter H.		Chaster, Walter T.
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SESSION 1866-67.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	M'Swinney, Robert F., B.A.
Modern Languages and Modern History,	O'Connor, Thomas P., B.A.
Mathematics,	Foreman, Robert L., B.A.
Natural Philosophy,	Hughes, William, B.A.
Metaphysical and Economic Science,	M'Donald, Francis, B.A.
Chemistry,	Hector, William F., B.A.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Macauley, Colman P.	Brooke, William.
Maguire, Thomas M.	Colahan, William H. W.
Gillespie, Michael.	Walsh, Michael.
Marshall, John.	Ward, Peter.
Agnew, Samuel.	Gaynor, William.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Fitzpatrick, John. } <i>equal.</i>	Smith, Oliver.
M'Donald, Charles. }	Colahan, Nicholas W.
Howley, James.	Fahy, Edward.
Craig, Samuel R.	M'Iveen, John.
Dooley, John L.	Eaton, Thomas.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Drummond, Michael.	Drury, H. D'Olier.
Henry, William E.	Glover, Ralph F.
Mitchell, Robert.	M'Kinney, Samuel B. G. } <i>equal.</i>
Ievers, Robert W.	Nealon, William.
Drury, Richard J.	Duncan, James.

Faculty of Law.

FIRST YEAR.

M'Farlane, Robert A.

Faculty of Medicine.

FOURTH YEAR.

Kearney, Ambrose.		Clayton, Nicholas.
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THIRD YEAR.

Saunderson, William H.		Sugars, John C.
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SECOND YEAR.

M'Donnell, James O'M.		O'Brien, Daniel.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Pye, Joseph P.		M'Swinney, George H.

School of Engineering.

THIRD YEAR.

M'Kinney, Hugh G.

SECOND YEAR.

Nightingale, Walter H.		Oram, John E.
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FIRST YEAR.

Concannon, Patrick.		Glover, R. Stephen.
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SESSION 1867-68.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Marshall, John, B.A.
Modern Languages and Modern History,	M'Donald, Francis, B.A.
Natural Philosophy,	Brooke, William, B.A.
Metaphysical and Economic Science, ..	M'Farlane, Robert A.
Chemistry,	Walsh, Michael, B.A.
Natural History,	Gillespie, Michael, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Fitzpatrick, John.	Colahan, Nicholas W.
M'Donald, Charles.	Fahy, Edward.
Howley, James.	M'Ilveen, John.
Craig, Samuel R.	Eaton, Thomas.
Dooley, John L.	Huey, John.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Drummond, Michael.	Drury, H. D'Olier.
Henry, William E.	Glover, Ralph F.
Levers, Robert W.	M'Kinney, Samuel B. G.
Drury, Richard J.	Lewis, W. Llewellyn.
Talbot, Bertram H.	Matthews, William.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Thompson, David.	Harrison, John H.
Hart, Raphael.	Moran, John.
Foreman, William J.	* Clarke, John J.
Clarke, John J.	* Thompson, David.
	Patterson, William.
	O'Connor, P. Fenelon.

Faculty of Law.

THIRD YEAR.

M'Donald, Francis, B.A.

SECOND YEAR.

M'Swinney, Robert F., B.A.

FIRST YEAR.

Maguire, Thomas M., B.A.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

FOURTH YEAR.

Saunderson, William H.		M'Auliffe, Thomas B.
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THIRD YEAR.

M'Donnell, James O'M.		O'Brien, Daniel.
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SECOND YEAR.

Pye, Joseph P.		Torrens, James.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Simpson, William.		Hegarty, John.

School of Engineering.

THIRD YEAR.

Nightingale, Walter H.

SECOND YEAR.

Glover, R. Stephen.		Townsend, Thomas A
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FIRST YEAR.

Falkiner, George A.		Stratford, John.
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SESSION 1868-69.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	M'Donald, Charles, B.A.
Modern Languages and Modern History,	Gillespie, Michael, B.A.
Mathematics,	Brooke, William, B.A.
Natural Philosophy,	Walsh, Michael, B.A.
Metaphysical and Economic Science, ..	Eaton, Thomas, B.A.
Chemistry,	Huey, John, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Drummond, Michael.	Drury, H. D'Olier.
Henry, William E.	Glover, Ralph F.
Ievers, Robert W.	M'Kinney, Samuel B. G.
Drury, Richard J.	Lewis, W. Llewellyn
Talbot, Bertram H.	Matthews, William.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Mitchell, Robert,	Harrison, John H.
Thompson, David.	Concannon, Patrick.
Foreman, William J.	Moran, John.
	Patterson, William.
	O'Connor, P. Fenelon.
	Clarke, John J.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Shiel, Joseph R.	Croke, J. O'Byrne.
Warren, William E.	Anderson, Adam.
Cullin, Henry C.	Mullally, Michael.
Moorhead, James.	Somerville, Richard N.
Milward, William H.	* Moorhead, James.
	Milward, George R.

* Ineligible, having obtained Scholarship in other division.

Faculty of Law.**SENIOR SCHOLARSHIP.**

M'Donald, Francis, M.A.

THIRD YEAR.

M'Swinney, Robert F., M.A.

SECOND YEAR.

Maguire, Thomas M., B.A.

FIRST YEAR.

Mulligan, James.

Faculty of Medicine.**FOURTH YEAR.**

O'Brien, Daniel. | M'Donnell, James O'M.

THIRD YEAR.Pye, Joseph P. |
Colahan, William H. W. | Drury, H. D'Olier.**SECOND YEAR.**

Blood, Robert. | Simpson, W.

FIRST YEAR.*Science Division.*

Clements, Robert.

School of Engineering.**THIRD YEAR.**

Glover, R. Stephen.

SECOND YEAR.

Falkiner, George A. | Stratford, John.

FIRST YEAR.Holmes, Robert F. } *equal.*
Kain, Thomas. }

SESSION 1869-70.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Henry, William E., B.A.
Modern Languages and Modern History,	Rentoul, James Alex., B.A.
Mathematics,	Glover, Ralph F., B.A.
Natural Philosophy,	Lewis, Walter L., B.A.
Metaphysical and Economic Science, ..	Mulligan, James, B.A.
Chemistry,	Griffin, Thomas, B.A.
Natural History,	*O'Donnell, Charles J., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Mitchell, Robert.	Harrison, John H.
Thompson, David.	Concannon, Patrick.
Foreman, William J.	Moran, John.
	Patterson, William.
	O'Connor, P. Fenelon.

SECOND YEAR.

<i>Literary Division</i>	<i>Science Division.</i>
Cullin, Henry C.	Croke, J. O'Byrne.
Moorhead, James.	Anderson, Adam.
Shiel, Joseph R.	Mullally, Michael.
Warren, William E.	Somerville, Richard N.
O'Shaughnessy, John F. A.	Milward, George R.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Maxwell, William H.	Freyer, P. Johnson.
Lynam, James.	Gorham, James J.
O'Callaghan, Matthew Q.	†Lynam, James.
O'Neill, Peter J.	Bourke, Palmer A.
Byrne, Nicholas.	M'Loughlin, James.
	Joyce, Patrick K.

* Previously M'Donald.

† Ineligible, having obtained Scholarship in other division.

Faculty of Law.**SENIOR SCHOLARSHIP.**

M'Swinney, Robert F., M.A.

THIRD YEAR.

Maguire, Thomas M., B.A.

SECOND YEAR.

Dooley, John L.

FIRST YEAR.

Todd, Robert H.

Faculty of Medicine.**FOURTH YEAR.**

Colahan, William H. W. | Pye, Joseph P.

THIRD YEAR.

Walsh, Michael. | Colahan, Nicholas W.

SECOND YEAR.

Melville, Andrew S. | Brooke, William.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Barker, Christopher F.		White, Michael.

School of Engineering.**THIRD YEAR.**

Falkiner, George A.

SECOND YEAR.

Quinton, John H. | Holmes, Robert F.

FIRST YEAR.

Lynam, Patrick. | Templeton, John W.

SESSION 1870-71.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Mulligan, James, B.A.
Modern Languages and Modern History,	Moran, John, B.A.
Mathematics,	Harrison, John H., B.A.
Natural Philosophy,	Glover, Ralph F., B.A.
Metaphysical and Economic Science, ..	Todd, Robert H., B.A.
Chemistry,	Lewis, W. Llewellyn, B.A.
Natural History,	Brooke, William, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Moorhead, James.	Croke, J. O'Byrne.
Shiel, Joseph R.	Anderson, Adam.
Warren, William E.	Mullally, Michael.
O'Shaughnessy, John F. A.	Somerville, Richard N.
	Milward, George R.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Lynam, James.	Freyer, P. Johnson.
Maxwell, William H.	* Lynam, J.
O'Neill, Peter.	Gorham, James J.
	Joyce, Patrick K.
	Ellison, James.
	Megarry, James.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
† Adams, David O.	† Adams, David O. } <i>equal.</i>
Milward, Edwin O.	Gordon, John.
M'Namara, John W.	Hickman, James.
Molony, Henry G.	Moylan, Michael J.
Dill, John.	Connolly, William E. S.

* Ineligible, having obtained Scholarship in other division.

† Having obtained *First* Place in both divisions, retains both Scholarships.

Faculty of Law.

SENIOR SCHOLARSHIP.

Maguire, Thomas M., B.A.

THIRD YEAR.

Drummond, Michael, M.A.

SECOND YEAR.

Rentoul, James Alex., B.A.

FIRST YEAR.

Concannon, Patrick.

Faculty of Medicine.

FOURTH YEAR.

Colahan, Nicholas W. | Fleming, William.

THIRD YEAR.

Holland, John J. | Gillespie, Michael.

SECOND YEAR.

White, Michael. | Morris, John J.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Warren, J. Monteith.	|	Leitch, Josias.

School of Engineering.

THIRD YEAR.

Darcy, William E.

SECOND YEAR.

Lynam, Patrick. | Kain, Thomas.

FIRST YEAR.

Prendergast, Patrick J. | M'Auliffe, John.

SESSION 1871-72.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Moorhead, James, B.A.
Modern Languages and Modern History,	Mullally, Michael, B.A.
Mathematics,	Concannon, Patrick, B.A.
Natural Philosophy,	Harrison, John H., B.A.
Metaphysical and Economic Science, ..	Moran, John, B.A.
Chemistry,	Brooke, William, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Lynam, James.	Freyer, P. Johnson.
Maxwell, William H.	* Lynam, James.
O'Neill, Peter.	Gorham, James J.
	Joyce, Patrick R.
	Ellison, James.
	Megarry, James.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
† Adams, David O.	† Adams, David O.
Milward, Edwin O.	Gordon, John.
M'Namara, John W.	Hickman, James. } <i>equal.</i>
Molony, Henry G.	Monroe, Samuel H. }
M'Mordie, Elijah.	Moylan, Michael J. } <i>equal.</i>

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Connor, George.	O'Kinealy, Peter.
M'Namara, Joseph C.	Dundee, Isaac C.
Mullin, James.	Wallace, Hugh.
Ambrose, Robert.	Kelly, Michael.
Molony, John.	Hallowell, James.

* Ineligible, having obtained Scholarship in other division.

Having obtained *First Place* in both divisions, retains both Scholarships.

Faculty of Law.

SENIOR SCHOLARSHIP.

Mulligan, James, M.A.

THIRD YEAR.

Rentoul, James Alex., B.A.

SECOND YEAR.

Shiel, Joseph R.

FIRST YEAR.

O'Neill, George F., M.A.

Faculty of Medicine.

FOURTH YEAR.

Holland, John J. | Gillespie, Michael J., B.A.

THIRD YEAR.

White, Michael. | Morris, John J.

SECOND YEAR.

Maguire, Daniel. | O'Connor, Peter F., B.A.

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
O'Connor, Patrick.		Lynham, John I.

School of Engineering.

THIRD YEAR.

Lynam, Patrick.

SECOND YEAR.

Prendergast, Patrick.

FIRST YEAR.

Kerin, John.

SESSION 1872-73.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Maxwell, William H., B.A.
Mathematics,	Mullally, Michael, B.A.
Natural Philosophy,	Concannon, Patrick, B.A.
Metaphysical and Economic Science,	Shiel, Joseph R., B.A.
Chemistry,	Freyer, P. Johnson, B.A.
Natural History,	Walsh, Michael, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
* Adams, David O.	* Adams, David O.
Milward, Edwin O.	Gordon, John.
M'Namara, John W.	Hickman, James. } <i>equal.</i>
Molony, Henry G.	Monroe, Samuel H. } <i>equal.</i>
M'Mordie, Elijah.	Moylan, Michael J. }

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Connor, George.	O'Kinealy, Peter.
M'Namara, Joseph C.	Fisher, John M.
Mullin, James.	Kelly, Michael.
Molony, John.	Dundee, Isaac C.
Watters, William.	Parker, John William.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Geoghegan, Joseph.	Shore, Robert.
M'Millan, John.	Kelly, William. } <i>equal.</i>
Lavertine, Charles.	Lewis, John P. }
M'Namara, William J. U.	Glassford, Charles O.
Wilson, Samuel L.	Goudy, James.

* Having obtained *First Place* in both divisions, retains both Scholarships.

Faculty of Law.**SENIOR SCHOLARSHIP.**

Rentoul, James Alex., B.A.

THIRD YEAR.

O'Neill, Peter J., B.A.

SECOND YEAR.

Moran, John, B.A.

FIRST YEAR.

Hanna, James.

Faculty of Medicine.**FOURTH YEAR.**

White, Michael. | Macauley, Roger.

THIRD YEAR.

Maguire, Daniel. | Dempsey, Alexander.

SECOND YEAR.

Lynham, John I. | Quirk, Martin.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Hallowell, James.	|	Sheedy, John.

School of Engineering.**THIRD YEAR.**

Prendergast, Patrick J.

SECOND YEAR.

Woods, Richard J.

FIRST YEAR.

FitzGerald, Henry.

SESSION 1873-74.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Milward, Edwin O., B.A.
Modern Languages and Modern History,	Adams, David O., B.A.
Mathematics,	Gordon, John, B.A.
Natural Philosophy,	Freyer, P. Johnson, B.A.
Metaphysical and Economic Science, ..	Concannon, Patrick, B.A.
Chemistry,	Gorham, James J., B.A.
Natural History,	Joyce, Patrick K., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Connor, George.	O'Kinealy, Peter.
M'Namara, Joseph C.	Fisher, John M.
Mullin, James.	Kelly, Michael.
Molony, John.	Dundee, Isaac C.
Watters, William.	Parker, John William.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Lavertine, Charles.	Shore, Robert.
Wilson, Samuel L.	M'Auliffe, Daniel.
Love, George C.	Goudy, James.
M'Millan, John.	Fisher, Joseph R.
M'Namara, William J. U.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
*Molohan, John P.	M'Master, James.
Kerr, Æneas.	M'Dermott, Cornelius.
Farrelly, Michael J.	Constable, Samuel. } <i>equal.</i>
Minniken, John.	Corry, Patrick. }
Dripps, James T	Horan, Timothy.

Professor of Latin, Queen's College, Cork,

Faculty of Law.

SENIOR SCHOLARSHIP.

Mullally, Michael, B.A.

THIRD YEAR.

Shiel, Joseph R., B.A.

SECOND YEAR.

Hanna, James.

FIRST YEAR.

Greenfield, John K.

Faculty of Medicine.

FOURTH YEAR.

Freyer, P. Johnson, B.A. | Maguire, Daniel.

THIRD YEAR.

Lynham, John I. | O'Sullivan, Patrick J.

SECOND YEAR.

Stokes, William. | M'Afee, William.

FIRST YEAR.

Science Division.

Eakins, George R. | Delahunt, James J.

School of Engineering.

THIRD YEAR.

Woods, Richard J.

SECOND YEAR.

Mahon, Thomas.

FIRST YEAR.

Davern, John P.

SESSION 1874-75.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Modern Languages and Modern History,	Mullin, James, B.A.
Mathematics,	O'Kinealy, Peter, B.A.
Natural Philosophy,	Kelly, Michael, B.A.
Metaphysical and Economic Science, ..	Hanna, James, B.A.
Chemistry,	Molony, John S., B.A.
Natural History,	Milward, Edwin O., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Lavertine, Charles.	Shore, Robert.
Wilson, Samuel L.	M'Auliffe, Daniel.
Love, George C.	Fisher, Joseph R.
M'Millan, John.	
M'Namara, William J. U.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Kerr, Æneas.	M'Master, James.
Farrelly, Michael J.	Constable, Samuel.
Todd, Andrew.	Smith, John.
Megaw, Robert T.	Lewis, John P.
	M'Dermott, Cornelius.
	Morris, Richard H.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
* Henry, Augustine.	* Henry, Augustine.
Hunter, Charles W.	Waterworth, Hugh.
Anderson, Joseph R.	Sheedy, Thomas. } <i>equal.</i>
Geoghegan, Alfred.	Henderson, Thomas. }
	Hackett, Robert I. Dalbey.
	Gorham, John.

* Having obtained *First Place* in both divisions, retains both Scholarships.

Faculty of Law.

SENIOR SCHOLARSHIP.

Shiel, Joseph R., M.A.

THIRD YEAR.

Gordon, John, B.A.

SECOND YEAR.

Greenfield, John K.

Faculty of Medicine.

FOURTH YEAR.

Lynham, John I. | O'Sullivan, Patrick J.

THIRD YEAR.

Beattie, Robert. | Stokes, William.

SECOND YEAR.

Love, Robert L. | Delahunt, James J.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
M'Kinlay, John.	|	Young, William J.

School of Engineering.

THIRD YEAR.

Fisher, John M.

SECOND YEAR.

Davern, John P. | Glassford, Charles O.

FIRST YEAR.

Barker, Alexander A. | Condon, Daniel.

SESSION, 1875-76.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	O'Connor, George, M.A.
Modern Languages and Modern History,	Lavertine, Charles E., B.A.
Mathematics,	Kelly, Michael, B.A.
Natural Philosophy,	Shore, Robert, B.A.
Metaphysical and Economic Science,	Gordon, John, B.A.
Chemistry,	M'Namara, John W., B.A.
Natural History,	M'Namara, William J. U., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Kerr, Æneas.	M'Master, James.
Farrelly, Michael J.	Constable, Samuel.
Todd, Andrew.	Smith, John.
Megaw, Robert T.	Lewis, John P.
	Morris, Richard H.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Hunter, Charles W.	Waterworth, Hugh.
Henry, Augustine.	Henderson, Thomas.
Condon, William O.	Hackett, Robert I. Dalbey.
	James, Arthur.
	Gorham, John.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Dodds, Robert.	Henderson, John.
Thompson, George.	Sullivan, John.
Hume, George A.	Gahan, Garner.
Campbell, James A.	Andrews, James.
Watters, Francis O. M.	

Faculty of Law.

SENIOR SCHOLARSHIP.

O'Kinealy, Peter, M.A., LL.B.

FIRST YEAR.

Card, Thomas D., B.A.

Faculty of Medicine.

	FOURTH YEAR.	
Allen, William.	|	O'Connor, Patrick.
	THIRD YEAR.	
Mitchell, Robert.	|	O'Brien, Thomas M.
	SECOND YEAR.	
Riordan, Daniel.	|	M'Kinlay, John.
	FIRST YEAR.	
	<i>Science Division.</i>	
Martin, Hugh H.	|	Smith, John.

School of Engineering.

	THIRD YEAR.	
	Molony, John S., B.A.	
	SECOND YEAR.	
Barker, Alexander A.	|	Condon, Daniel E.
	FIRST YEAR.	
Gahan, Michael.	|	Lynam, Edward.

SESSION 1876-77.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Farrelly, Michael J., B.A.
Modern Languages and Modern History,	M'Namara, Joseph C., B.A.
Mathematics,	Shore, Robert, B.A.
Natural Philosophy,	Hickman, James, B.A.
Metaphysical and Economic Science, ..	McGranahan, William, B.A.
Chemistry,	M'Namara, William J. U., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Hunter, Charles W.	Waterworth, Hugh.
Henry, Augustine.	Henderson, Thomas.
Condon, William O.	Hackett, Robert I. Dalbey.
	James, Arthur.
	Gorham, John.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Dodds, Robert.	Sullivan, John.
Hume, George A.	Henderson, John.
Anderson, Joseph R.	Gahan, Garner.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Brown, John I.	Anderson, Alexander.
Shine, Eugene.	Brown, William.
Gleeson, Edward J.	Moreland, Robert.
Nolan, Herbert, M.B.	Vance, Robert.
Hanly, John J.	Moorhead, John R.

Faculty of Law.

SENIOR SCHOLARSHIP.

Gordon, John, B.A.

SECOND YEAR.

Card, Thomas D., B.A.

FIRST YEAR.

Todd, Andrew, B.A.

Faculty of Medicine.

FOURTH YEAR.

Mitchell, Robert.		Delahunt, James J.
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THIRD YEAR.

M'Kinlay, John.	} equal.
Riordan, Daniel.	

SECOND YEAR.

Martin, John.		O'Malley, David J.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Sheridan, Thomas M.		Elliott, John H.

School of Engineering.

THIRD YEAR.

Barker, Alexander A.

SECOND YEAR.

Lynam, Edward W.		Gahan, Michael.
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FIRST YEAR.

M'Elrea, William.

SESSION 1877-78.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Kerr, Æneas, B.A.
Modern Languages and History, ..	Todd, Andrew, B.A.
Natural Philosophy,	Henry, Augustine, B.A.
Metaphysical and Economic Science,	Henderson, Thomas, B.A.
Chemistry,	Shore, Robert, M.A.
Natural History,	Hackett, Robert I. Dalbey, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Dedds, Robert.	Sullivan, John.
Hume, George A.	Henderson, John.
Anderson, Joseph R.	Gahan, Garner.

SECOND YEAR.

<i>Literary Scholarships.</i>	<i>Science Scholarships.</i>
Brown, John I.	Vance, Robert.
Gleeson, Edward J.	Brown, William.
Shine, Eugene.	M ^c Dowell, Thomas H.
Hanly, John J.	Andrews, James.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Jackson, William J.	Lowe, William J.
Morton, John H.	Eagar, Francis S.
Gillespie, James J.	Clarke, Samuel B.
Bain, John A.	Talbot, Thomas J.
Smyth, Thomas C.	* Jackson, William J.
	Mapother, Dillon E.

Faculty of Law.

FIRST YEAR.

England, William G.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

FOURTH YEAR.

M'Kinlay, John.		Riordan, Daniel.
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THIRD YEAR.

Reynolds, T. Taylor.		Martin, John.
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SECOND YEAR.

O'Shaughnessy, Francis H.		Mullin, John F. L.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Jackson, Joseph B.		Freyer, Samuel.

School of Engineering.

THIRD YEAR.

Lynam, Edward W.

SECOND YEAR.

M'Elrea, William.		Roseingrave, Thomas W.
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FIRST YEAR.

Flatley, William P.		Horneck, Samuel.
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SESSION, 1878-79.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Dodds, Robert, B.A.
Modern Languages and Modern History,	.. ..	Fisher, Joseph R., B.A.
Natural Philosophy,	.. ..	Henderson, John, B.A.
Metaphysical and Economic Science,..	.. ..	Hume, George A., B.A.
Chemistry,	.. ..	Gahan, Garner, B.A.
Natural History,	.. ..	Henry, Augustine, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Scholarships.

Brown, John L.
Gleeson, Edward J.
Shine, Eugene.
Hanly, John J.

Science Scholarships.

Vance, Robert.
Brown, William.
M'Dowell, Thomas H.
Andrews, James.

SECOND YEAR.

Literary Division.

Jackson, William J.
Gillespie, James J.
Morton, John H.
Munro, William H.
Bain, John A.

Science Division.

Lowe, William J.
Anderson, Alexander.
Clarke, Samuel B.
Talbot, Thomas J.
Moorhead, John R.

FIRST YEAR.

Literary Division.

Kirker, H. Fitzwalter.
M'Laren, James B.
Millar, William J.
Morrow, Henry W.
O'Sullivan, Patrick.

Science Division.

Patterson, Samuel.
Rowney, George A. H.
Blackall, Patrick.
Gahan, Charles J.
Card, William.

Faculty of Law.

THIRD YEAR.

Todd, Andrew, B.A.

SECOND YEAR.

England, William G.

FIRST YEAR.

Donnell, William, B.A.

Faculty of Medicine.

FOURTH YEAR.

White, Sinclair.		Cochrane, Robert.
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THIRD YEAR.

M'Loughlin, Francis.		Pritchard, Thomas.
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SECOND YEAR.

Gibson, William W.		Fisher, Walter M.
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FIRST YEAR.

Literary Division.

Copithorne, James G.		Farrelly, Thomas.
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School of Engineering.

THIRD YEAR.

M'Elrea, William.

SECOND YEAR.

Hackett, Edward A.		Flatley, William P.
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FIRST YEAR.

Mac Namara, Robert J.

SESSION 1879-80.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Brown, John I., B.A.
Modern Languages and Modern History,	Campbell, James A., B.A.
Mathematics,	Vance, Robert, B.A.
Natural Philosophy,	Brown, William, B.A.
Metaphysical and Economic Science, ..	Currie, William S., B.A.
Natural History,	M'Farlane, Hugh, M.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Jackson, William J.
Gillespie, James J.
Morton, John H.
Munro, William H.
Bain, John A.

Science Division.

Lowe, William J.
Anderson, Alexander.
Clarke, Samuel B.
Talbot, Thomas J.
Moorhead, John R.

SECOND YEAR.

Literary Division.

M'Laren, James B.
Millar, William J.
Kirker, H. Fitzwalter.
M'Donagh, Redmond.
Molloy, Mark.

Science Division.

Patterson, Samuel.
Gahan, Charles J.
Foy, Alexander R.
M'Neill, David.
Rowney, George A. H.

FIRST YEAR.

Literary Division.

Shute, Charles C.
Newell, Peter.
M'Keague, Thomas M.
Watters, John.

Science Division.

Carroll, Henry.
Buckley, Thomas.
MacMillan, Robert.
Gillespie, Alexander P.
Freyer, John.
M'Dermott, James.

Faculty of Law.

SENIOR SCHOLARSHIP.

Todd, Andrew, LL.B.

THIRD YEAR.

Hume, George A., M.A.

SECOND YEAR.

Donnell, William, B.A.

FIRST YEAR.

Brown, James.

Faculty of Medicine.

FOURTH YEAR.

M'Laughlin, Francis.		Shore, Robert, M.A.
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THIRD YEAR.

Gibson, William W.		O'Connell, David V.
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SECOND YEAR.

Wise, Charles H.		Mitchell, William J.
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FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Clarke, Joseph J.		Thompson, William H.

School of Engineering.

THIRD YEAR.

Hackett, Edward A.

FIRST YEAR.

Hardy, Earle A.		Long, James L. S.
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SESSION 1880-81.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Jackson, William J., B.A.
Modern Languages and Modern History, ..	Bain, John A., B.A.
Mathematics,	Lowe, William J., B.A.
Natural Philosophy,	Anderson, Alexander, M.A.
Metaphysical and Economic Science, ..	Brown, John I., B.A.
Chemistry,	Clarke, Samuel B., B.A.
Natural History,	Munro, William H., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

M'Laren, James B.
 Millar, William J.
 Kirker, H. Fitzwalter.
 M'Donagh, Redmond.
 Molloy, Mark.

Science Division.

Patterson, Samuel.
 Gahan, Charles J.
 Foy, Alexander R.
 M'Neill, David.
 Rowney, George A. H.

SECOND YEAR.

Literary Division.

Newell, Peter.
 Moody, John.
 Keating, William H.

Science Division.

Buckley, Thomas.
 M'Dermott, James.
 Card, William.
 M'Granahan, James.
 Freyer, John.

FIRST YEAR.

Literary Division.

Maxwell, Sydney L.
 Hamilton, William.
 Shannon, Owen J.
 *Freyer, Samuel.
 Hogg, T. Simpson.

Science Division.

Freyer, Samuel.
 Kane, Hugh.
 Morton, David.
 M'Cune, Thomas H.
 Stewart, John.
 Waugh, Hugh.

* Ineligible, having obtained Scholarship in other division.

Faculty of Law.**SENIOR SCHOLARSHIP.**

Hume, George A., M.A.

THIRD YEAR.

Donnell, William, B.A.

SECOND YEAR.

Brown, James.

Faculty of Medicine.**FOURTH YEAR.**

Gibson, William W. | O'Connell, David V.

THIRD YEAR.

Mitchell, William J. | O'Gorman, Patrick.

SECOND YEAR.

Thompson, William H. | M'Glynn, John.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Lennan, Vincent F.	|	Bartley, William.

School of Engineering.**SECOND YEAR.**

Hardy, Earle A. | Thompson, William J.

FIRST YEAR.

Binns, Henry A.

SESSION 1881-82.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	M'Laren, James B., B.A.
Modern Languages and Modern History, ..	Jackson, William J., B.A.
Mathematics,	Anderson, Alexander, M.A.
Natural Philosophy,	Vance, Robert, M.A.
Metaphysical and Economic Science, ..	Millar, William J., B.A.
Chemistry,	Buchanan, Andrew, B.A.
Natural History,	Hanly, John J., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.
Newell, Peter.
Moody, John.
Keating, William H.

Science Division.
Buckley, Thomas.
M'Dermott, James.
Card, William.
M'Granahan, James.
Freyer, John.

SECOND YEAR.

Literary Division.
Shannon, Owen J.
Thompson, James.
Hamilton, Walter M.
Hogg, T. Simpson.
Maxwell, Sydney L.

Science Division.
Morton, David.
Freyer, Samuel.
M'Cune, Thomas H.
Mahon, William.
Kelly, Michael O.

FIRST YEAR.

Literary Division.
Evans, Isaac R.
M'Elwee, John.
Laing, John.
M'Farland, Andrew.
Moody, William.

Science Division.
Card, David.
Finucane, Thomas E.
Frame, Arthur.
Gillespie, George.
Atkinson, Hugh L.

Faculty of Law.

SENIOR SCHOLARSHIP.

Farrelly, Michael J., B.A.

FIRST YEAR.

Nelson, Thomas E., M.A.

· **Faculty of Medicine.**

FOURTH YEAR.

Mitchell, William J. | O'Gorman, Patrick.

THIRD YEAR.

Thompson, William H. | Henderson, Robert W.

SECOND YEAR.

Bartley, William. | Munro, William H., B.A.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Wade, Hugh E.	|	Condon, Richard T.

School of Engineering.

THIRD YEAR.

Thompson, William J.

SECOND YEAR.

Binns, Henry A.

FIRST YEAR.

Lynam, Francis J.

SESSION 1882-83.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Keating, William H.
Modern Languages and Modern History,	Newell, Peter.
Natural Philosophy,	Patterson, Samuel, B.A.
Metaphysical and Economic Science, ..	Jackson, William J., M.A.
Chemistry,	Semple, Samuel, M.A.
Natural History,	Gahan, Charles J., M.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Shannon, Owen J.	Morton, David.
Thompson, James.	Freyer, Samuel.
Hamilton, Walter M.	M'Cune, Thomas H.
Hogg, T. Simpson.	Mahon, William.
Maxwell, Sydney L.	Kelly, Michael O.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Evans, Isaac R.	Gillespie, George.
M'Elwee, John.	Finucane, Thomas E.
M'Coy, Daniel.	Carroll, Henry.
Gannon, William C.	M'Elney, Robert.
Davison, Robert H.	Frame, Arthur.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Clarke, William A.	Martin, John.
M'Nulty, Thomas.	Humphreys, John.
* Benson, Arthur T.	Hopkins, Samuel.
M'Afee, Alexander.	Oldham, Thomas C. H.
Jordan, Michael J.	Benson, Arthur T.
Gregg, Andrew C.	

Faculty of Law.

THIRD YEAR.

Millar, William J., M.A.

SECOND YEAR.

Nelson, Thomas E.

FIRST YEAR.

M'Donagh, Redmond, B.A.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

FOURTH YEAR.

Thompson, William H. | Henderson, Robert W.

THIRD YEAR.

Mahon, Ralph B. | MacNamara, Robert J.

SECOND YEAR.

Condon, Richard T. | Milligan, William.

FIRST YEAR.

Science Division.

Noble, William. | Reynolds, James S.

School of Engineering.

THIRD YEAR.

Rowney, George A. H., B.A.

SECOND YEAR.

Lynam, Francis J. | O'Shaughnessy, Michael M.

FIRST YEAR.

Allman, Alfred. } *equal.*
Joyce, Raoul. }

SESSION 1883-84.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Maxwell, Sydney L., B.A.
Modern Languages and Modern History, ..	Shannon, Owen J., B.A.
Mathematics,	Morton, David.
Natural Philosophy,	Freyer, Samuel.
Metaphysical and Economic Science, ..	Smith, Henry, B.A.
Chemistry,	M'Cune, Thomas H., B.A.
Natural History,	Hogg, T. Simpson, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Evans, Isaac R.	Gillespie, George.
M'Elwee, John.	Finucane, Thomas E.
M'Coy, Daniel.	Carroll, Henry.
Gannon, William C.	M'Elney, Robert.
Davison, Robert H.	Frame, Arthur.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Clarke, William A.	Humphreys, John.
Benson, Arthur J.	Martin, John.
Jordan, Michael J.	Card, David.
Gregg, Andrew C.	
M'Afee, Alexander.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Dugan, Charles W.	Keers, James.
Meeke, William M'E.	Dowd, Henry L.
Loftus, Joseph J.	Cowan, Moses H.
Hession, Nicholas J. M.	Keegan, James H.
Davidson, Andrew G.	Campbell, Richard J.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Nelson, Thomas E.	M'Donagh, Redmond.	Moorhead, John R.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Thompson, William H.

FOURTH YEAR.

MacNamara, Robert J. | Waters, George A.

THIRD YEAR.

Eagleton, John F.

SECOND YEAR.

Hamilton, James. | Waters, Eaton W.

FIRST YEAR.*Literary Division.*

Stewart, Joseph. | M'Cormick, Edward.

School of Engineering.**THIRD YEAR.**

O'Shaughnessy, Michael M.

FIRST YEAR.

Thompson, Atwell.

SESSION 1884-85.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Evans, Isaac R.
Modern Languages and Modern History ..	Thompson, James, B.A.
Natural Philosophy,	M'Cune, Thomas H., B.A.
Metaphysical and Economic Science, ..	Sloane, George, B.A.
Chemistry,	M'Elney, Robert, B.A.
Natural History,	M'Elwee, John, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Clarke, William A.
Benson, Arthur J.
Jordan, Michael J.
Gregg, Andrew C.
M'Afee, Alexander.

Science Division.

Humphreys, John.
Martin, John.
Card, David.

SECOND YEAR.

Literary Division.

Davidson, Andrew G.
Dugan, Charles W.
Rusk, John.
Hession, Nicholas J. M.
Hegan, Edwin.

Science Division.

Henry, Moses.
Cowan, Moses H.
Keegan, James M.
Dowd, Henry L.
Keers, James M.

FIRST YEAR.

Literary Division.

Kennedy, William.
M'Kee, William J.
Adams, John A.
Cairnes, John E.
Bell, James.

Science Division.

M'Candless, Thomas.
Shore, Patrick B.
Farrington, Walter.
Charleton, Robert J.
Thompson, Cuthbert.

Faculty of Law.

SCHOLARSHIPS.

THIRD YEAR.

M'Donagh, Redmond, M.A.

SECOND YEAR.

Moorhead, John R., B.A.

FIRST YEAR.

Malone, John.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, .. Macnamara, Robert J.

FOURTH YEAR.

Mahon, Ralph B. | Eagleton, John F.

THIRD YEAR.

Waters, Eaton W. | Hamilton, James.

SECOND YEAR.

Stewart, Joseph. | Pierse, Gerard J.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Heaney, James H.	|	Foley, Thomas H.

School of Engineering.**SCHOLARSHIPS.****SECOND YEAR.**

Thompson, Atwell.

FIRST YEAR.

Binns, William N. | Long, Samuel L.

SESSION 1885-86.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Clarke, William A.
Metaphysical and Economic Science, ..	Gregg, Andrew C.
Chemistry,	Gillespie, George, B.A.
Natural History,	Martin, John.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Davidson, Andrew G.	Henry, Moses.
Dugan, Charles W.	Cowan, Moses H.
Rusk, John.	Keegan, James M.
Hession, Nicholas J. M.	Dowd, Henry L.
Hegan, Edwin.	Keers, James M.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Kee, William J.	Thompson, Cuthbert.
Adams, John A.	Rentoul, Gervais C.
Hilton, Hugh.	Charleton, Robert J.
Hamilton, Samuel.	Farrington, Walter.
Cairnes, John E.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Maxwell, Michael T.	Bain, Alexander.
Irwin, Albert J.	* Semple, Robert J.
* Bain, Alexander.	M'Cay, Francis.
Semple, Robert J.	Keers, William.
Lydon, Martin F.	Freyer, Patrick W.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Moorhead, John R.

SECOND YEAR.

Smith, Henry.

FIRST YEAR.

Brown, William.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Mahon, Ralph B.

FOURTH YEAR.

Waters, Eaton W.

THIRD YEAR.

Smith, Henry, B.A. | Stewart, Joseph.

SECOND YEAR.

Eldon, Joseph. | Loftus, Joseph J.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Millea, William C.	|	Twomey, Michael.

School of Engineering.

SCHOLARSHIPS.

THIRD YEAR.

Thompson, Atwell.

SECOND YEAR.

Long, Samuel L. | Oldham, Thomas C. H.

FIRST YEAR.

Moon, Robert A. | Hall, Thomas A.

SESSION 1886-87.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Dugan, Charles W.
Modern Languages and Modern History, ..	Rusk, John, B.A.
Mathematics,	Thompson, Atwell, B.E.
Natural Philosophy,	Henry, Moses, B.A.
Metaphysical and Economic Science, ..	Humphreys, John.
Chemistry,	Keegan, James M., B.A.
Natural History,	M'Afee, Alexander, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Kee, William J.	Thompson, Cuthbert.
Adams, John A.	Rentoul, Gervais C.
Hilton, Hugh.	Charleton, Robert J.
Hamilton, Samuel.	Farrington, Walter.
Cairnes, John E.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Kennedy, William.	Bain, Alexander.
Semple, Robert J.	Millea, William C.
Irwin, Albert J.	M'Cay, Francis.
Maxwell, Michael T.	Douglas, Charles.
	Raddin, George H.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Hara, Patrick J.	Gannon, William J.
Clarke, Alexander F.	Love, Robert.
M'Askie, William J.	Bunton, Christopher L. W.
Gillespie, William H.	Mangan, Denis.
Donnan, William.	Bradford, Herbert A.

Faculty of Law.

THIRD YEAR.

Smith, Joseph, B.A.

SECOND YEAR.

Brown, William, M.A.

FIRST YEAR.

Buckley, Thomas.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Waters, Eaton W.

FOURTH YEAR.

Smith, Henry, B.A. | Stewart, Joseph.

THIRD YEAR.

Pierse, Gerard J. | Taylor, William J.

SECOND YEAR.

Foley, Thomas H. | Laing, George M.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
O'Reilly, Henry W. H.		Connolly, Thomas J.

School of Engineering.

SCHOLARSHIPS.

THIRD YEAR.

Binns, William N.

SECOND YEAR.

Finucane, Thomas E. | Hall, Thomas A.

FIRST YEAR.

Thompson, John S.

SESSION 1887-88.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	M'Kee, William J., B.A.
Modern Languages and Modern History, ..	Hilton, Hugh.
Natural Philosophy,	Keegan, James M., M.A.
Metaphysical and Economic Science, ..	Davidson, Andrew G., B.A.
Chemistry,	Farrington, Walter.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division</i>
Kennedy, William.	Bain, Alexander.
Semple, Robert J.	Millea, William C.
Irwin, Albert J.	M'Cay, Francis.
Maxwell, Michael T.	Douglas, Charles.
	Raddin, George H.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Connolly, Thomas J.	Gannon, William J.
Love, Robert.	Bradford, Herbert A.
Gillespie, William H.	*Connolly, Thomas J.
O'Hara, Patrick J.	
M'Askie, William J.	
Gailey, Andrew.	
Clarke, Alexander F.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Browne, David.	Paul, John.
Lee, William.	Deans, John.
Morris, Patrick.	Harrison, Thomas J.
	*Browne, David.
	Keenan, John F.
	Moran, John.
	Cambbell, Henry.
	Clements, Robert W.

Faculty of Law.

SECOND YEAR.

Buckley, Thomas.

FIRST YEAR.

O'Keeffe, James D.

* Ineligible, having obtained Scholarship in other Division.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Stewart, Joseph, M.B.

FOURTH YEAR.

Pierse, Gerard J. | Taylor, William J.

THIRD YEAR.

Steen, James R. | Eldon, Joseph.

SECOND YEAR.

Heaney, James H. | Hamilton, Samuel.

FIRST YEAR.

Science Division.

Clements, Joseph E.

**School of Engineering.**

THIRD YEAR.

Finucane, Thomas E.

FIRST YEAR.

Binne, Edmund T. | Goodman, Charles W.

SESSION 1888-89.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Kennedy, William, B.A.
Mathematics,	Bain, Alexander.
Natural Philosophy,	Hall, Thomas A., B.E.
Metaphysical and Economic Science,	Semple, Robert J., B.A.
Chemistry,	Thompson, Cuthbert.
Natural History,	Millea, William C.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Connolly, Thomas J.	Gannon, William J.
Love, Robert.	Bradford, Herbert A.
Gillespie, William H.	
O'Hara, Patrick J.	
M'Askie, William J.	
Gayley, Andrew.	
Clarke, Alexander F.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Brown, David.	Paul, John.
Mangan, Denis.	Harrison, Thomas J.
Downard, Thomas.	Clements, Robert W.
Deans, John.	Hynes, Mortimer.
	O'Dea, Martin.
	Moran, John.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Mahon, John S.	Deans, William.
Beattie, Robert A.	Bain, Philander A.
Boyd, James.	Burkitt, James P.
Hunter, Charles H.	Roe, Robert L.
Glendenning, James P. C.	Forbes, William J.

Faculty of Law.

THIRD YEAR.	SECOND YEAR.
Buckley, Thomas, B.A.	O'Connor, Francis J.

FIRST YEAR.

Jordan, Michael J., B.A.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Taylor, William J.

FOURTH YEAR.

Steen, James R. | Eldon, Joseph.

THIRD YEAR.

Adams, John A., B.A. | Foley, Thomas H.

SECOND YEAR.

Martin, John. | Foley, Charles H.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Campbell, Henry.	|	Robinson, James.

School of Engineering.**THIRD YEAR.**

M'Cay, Francis.

FIRST YEAR.

Mahou, Arthur P. | Orpen, Richard T.

SESSION 1889-90.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Gillespie, William H., B.A.
Modern Languages and Modern History,	O'Hara, Patrick J.
Mathematics,	M'Cay, Francis, B.A.
Metaphysical and Economic Science, ..	Gailey, Andrew, B.A.
Chemistry,	Gannon, William J., B.A.

THIRD YEAR.

Literary Division.

Brown, David.
Mangan, Denis.
Downard, Thomas.
Deans, John.

Science Division.

Paul, John.
Harrison, Thomas J.
Clements, Robert W.
Hynes, Mortimer.
O'Dea, Martin.
Moran, John.

SECOND YEAR.

Literary Division.

Mahon, John S.
Beattie, Robert A.
Boyd, James.
Hunter, Charles H.
Gilchrist, Andrew.

Science Division.

Kane, Thomas.
Burkitt, James P.
Keenan, John F.
Forbes, William J.
Deans, William.

FIRST YEAR.

Literary Division.

O'Hara, Charles H.
Rooney, John W.
Walker, William.
Caldwell, John.
Keegan, David M.

Science Division.

M'Clelland, John A.
Bright, James.
Hayes, John C.
M'Hugh, Patrick.
Keillor, William R.

Faculty of Law.

THIRD YEAR.

Muldoon, John.

SECOND YEAR.

M'Connell, John K., B.A.

FIRST YEAR.

Leitch, Andrew C.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Adams, John A. B.A

FOURTH YEAR.

Kelly, Thomas B. | Heaney, James H.

THIRD YEAR.

Foley, Charles H. | Costello, Michael J. B

SECOND YEAR.

Connolly, Thomas J. | Clements, Joseph A

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Boyd, William.		Moran, Michael.

School of Engineering.**THIRD YEAR.**

Raddin, George H.

SECOND YEAR.

Mahon, Arthur P. | Binns, Edmund T.

FIRST YEAR.

Emerson, Thomas. | Stuart, William.

SESSION 1890-91.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Mangan, Denis, B.A.
Modern Languages and Modern History, ..	Moran, John.
Mathematics,	Paul, John, B.A.
Natural Philosophy,	Gannon, William J., B.A.
Metaphysical and Economic Science, ..	Downard, Thomas, B.A.
Chemistry,	Hynes, Mortimer.
Natural History,	Connolly, Thomas J.

SENIOR EXHIBITION.

Ancient Classics,	Browne, David.
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JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Mahon, John S.
 Beattie, Robert A.
 Boyd, James.
 Hunter, Charles H.
 Gilchrist, Andrew.

Science Division.

Kane, Thomas.
 Burkitt, James P.
 Keenan, John F.
 Forbes, William J.
 Deans, William.

SECOND YEAR.

Literary Division.

O'Hara, Charles H.
 Keegan, David M.
 Beatty, John.
 Stuart, James.

Science Division.

M'Clelland, John A.
 Hayes, John C.
 Rutledge, Andrew.
 M'Cay, Daniel.
 Lundy, Joseph.

FIRST YEAR.

Literary Division.

Mac Gregor, William.
 Barniville, Richard T.
 Sloane, John.
 M'Ilwaine, Robert.
 Walker, Andrew J.

Science Division.

Anderson, Henry.
 Burke, William.
 Stewart, John.
 Henry, John.
 Ewing, William H.

Faculty of Law.

THIRD YEAR.

M'Connell, John K., B.A.

SECOND YEAR.

Leitch, Andrew C.

FIRST YEAR

Conroy, John C.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Kelly, Thomas B.

FOURTH YEAR.

Costello, Michael J. B. | Foley, Charles H.

THIRD YEAR.

Allen, Robert. | Baile, Richard.

SECOND YEAR.

Clements, Robert W. | M'Donnell, Edward De M.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Turkington, Humphrey.		Daly, John J.

School of Engineering.

THIRD YEAR.

Mahon, Arthur P.

SECOND YEAR.

Emerson, Thomas.

FIRST YEAR.

Brady, Thomas T. | Thornton, Martin.

SESSION 1891-92.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics, .. .. .	.. .. .	Mahon, John S., B.A.
Modern Languages and Modern History,	.. .. .	Emerson, Thomas, B.A.
Mathematics, .. .. .	.. .. .	Burkitt, James P., B.A.
Metaphysical and Economic Science, ..	.. .. .	Gilchrist, Andrew, B.A.
Chemistry, .. .. .	.. .. .	Keenan, John F.
Natural History, .. .. .	.. .. .	Downard, Thomas, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

O'Hara, Charles H.
Keegan, David M.
Beatty, John.
Stuart, James.

Science Division.

M'Clelland, John A.
Hayes, John C.
Rutledge, Andrew.
M'Cay, Daniel.
Lundy, Joseph.

SECOND YEAR.

Literary Division.

Mac Gregor, William.
Walker, William.
M'Ilwaine, Robert.
Barnville, Richard T.
Sloane, John.
Rutledge, John G.
Walker, Andrew J.

Science Division.

Henry, John.
Ewing, William H.
Wilson, David.

FIRST YEAR.

Literary Division.

Flack, William T.
Hanna, Robert K.
Bell, William H.
Naughton, Owen.
M'Cay, Charles.

Science Division.

Stuart, Thomas.
Montgomery, Alexander W.
Bright, John S.
Henry, Moses.
Mallagh, Joseph.

Faculty of Law.

THIRD YEAR.

Leitch, Andrew C.

SECOND YEAR.

Conroy, John C.

FIRST YEAR.

Macnamara, Michael A.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, .. Bunton, Christopher L. W., M.B.

FOURTH YEAR.

Allen, Robert.

THIRD YEAR.

Clements, Joseph A. | Hynes, Mortimer.

SECOND YEAR.

Carroll, William S. | Moran, Michael.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Kirwan, James St. L.	|	Rooney, John W.

School of Engineering.**THIRD YEAR.**

Binns, Edmund T.

SECOND YEAR

Stewart, William. | Gallagher, Stephen G.

FIRST YEAR.

Clements, Samuel D., B.A.

SESSION 1892-93.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Hunter, Charles H.
Modern Languages and Modern History,	O'Hara, Charles H.
Mathematics,	Hayes, John C., B.A.
Natural Philosophy,	M'Clelland, John A., B.A.
Metaphysical and Economic Science,	Glendenning, James P. C., B.A.
Natural History,	Clements, Robert W., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Mac Gregor, William.
Walker, William.
M'Ilwaine, Robert.
Barniville, Richard T.
Sloane, John.
Rutledge, John G.
Walker, Andrew J.

Science Division.

Henry, John.
Ewing, William H.
Wilson, David.

SECOND YEAR.

Literary Division.

Entrican, Samuel W.
Flack, William T.
Hanna, Robert K.
Scott, Frederick S.
M'Cay, Charles.

Science Division.

Bright, John S.
Thompson, William L.
Thornton, Martin.

FIRST YEAR.

Literary Division.

Mills, John A.
Kernaghan, Thomas W.
Neilson, Robert A.
M'Elpatrick, Thomas A.
Hewitt, Alfred G.

Science Division.

Johnston, James.
Maybin, Hugh.
Ryan, Hugh.

Faculty of Law.

THIRD YEAR.

Conroy, John C.

SECOND YEAR.

Macnamara, Michael A.

FIRST YEAR.

Caldwell, John.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Connolly, Thomas J., B.A.

FOURTH YEAR.

Clements, Joseph A. | Lyden, Martin F.

THIRD YEAR.

Downard, Thomas, B.A. | Nixon, John C.

SECOND YEAR.

Kirwan, James St. L. | Threlfall, Richard B.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Montgomery, Alexander W.		Nicholson, William.

School of Engineering.**THIRD YEAR.**

M'Cay, Daniel.

SECOND YEAR.

Slade, Cecil A.

FIRST YEAR.

Vancc, James W. | Howley, Richard J.

SESSION 1893-94.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	MacGregor, William, B.A.
Modern Languages and Modern History, ..	M'Ilwaine, Robert, B.A.
Mathematics,	M'Clelland, John A., M.A.
Natural Philosophy,	Henry, John, B.A.
Metaphysical and Economic Science, ..	Curry, Samuel, B.A.
Chemistry,	Walker, Andrew J.
Natural History,	Nixon, John C., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Entrican, Samuel W.
Flack, William T.
Hanna, Robert K.
Scott, Frederick S.
M'Cay, Charles.

Science Division.

Bright, John S.
Thompson, William L.
Thornton, Martin.

SECOND YEAR.

Literary Division.

Johnston, James.
Mills, John A.
Neilson, Robert A.
Kernaghan, Thomas W.
Bell, William H.

Science Division.

Stuart, Thomas.
Ryan, Hugh.
Burke, William.
Maybin, Hugh.

FIRST YEAR.

Literary Division.

Reid, John.
Norris, Joseph.
Brown, Henry.
Strain, James K. C.
Roberts, Joseph A.

Science Division.

Moody, James.
Watt, George.
Lyons, Frederick W.
M'Kinley, David.
Orr, William R.

Faculty of Law.

THIRD YEAR.

Macnamara, Michael A.

SECOND YEAR.

Rice, James P.

FIRST YEAR.

M'Auliffe, Michael J.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Allen, Robert, M.B.

FOURTH YEAR.

Downard, Thomas, B.A.

THIRD YEAR.

O'Malley, John F. | M'Manus, Michael.

SECOND YEAR.

Montgomery, Alexander W. | M'Kelvey, Thomas.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Waters, Joseph J.	|	Paisley, William.

School of Engineering.**THIRD YEAR.**

Walker, William.

SECOND YEAR.

Wilson, David. | Howley, Richard.

FIRST YEAR.

Carmichael, John S.

SESSION 1894-95.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Entrican, Samuel W., B.A.
<i>Special Prize</i> ,	Flack, William T., B.A.
Modern Languages and Modern History,	Hanna, Robert K., B.A.
Natural Philosophy,	Walker, William, B.A.
Metaphysical and Economic Science, ..	Keegan, David M., B.A.
<i>Special Prize</i> ,	Mac Gregor, William, M.A.
Chemistry,	Nixon, John C., B.A.
Natural History,	Montgomery, Alexander W.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Johnston, James.	Stuart, Thomas.
Mills, John A.	Ryan, Hugh.
Neilson, Robert A.	Burke, William.
Kernaghan, Thomas W.	Maybin, Hugh.
Bell, William H.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Reid, John.	Carmichael, John S.
Brown, Henry.	Lyons, Frederick W.
Strain, James K. C.	Moody, James.
M'Lean, Robert J.	Watt, George.
Farley, William J.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Hezlett, James M.	Rishworth, Frank S.
Curry, David S.	Hallidy, Robert J.
Fleming, George H.	Mills, William S.
Walker, Cuthbert F.	O'Dea, Simon.
Scott, Ernest F.	O'Flaherty, John F. M.

Faculty of Law.

SECOND YEAR.

Rutledge, John G., M.A.

FIRST YEAR.

M'Ilwaine, Robert, M.A.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Allen, Robert, M.B.

FOURTH YEAR.

O'Malley, John F. | M'Manus, Michael.

THIRD YEAR.

Henry, Moses. | Corry, John G.
Keenan, John F., B.A. } *equal.*

SECOND YEAR.

Paisley, William. | Hewitt, Alfred J.

FIRST YEAR.

Literary Division. | *Science Division.*
Keogh, William M. P. | Kerans, George C. L.

School of Engineering.**THIRD YEAR.**

Wilson, David.

FIRST YEAR.

Gaston, James.

The Blayney Exhibition.*In Classics.*

Johnston, James. | Mills, John A. (*proxime accessit*).

SESSION 1895-96.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Mills, John A.
Mathematics,	Stuart, Thomas, B.A.
Natural Philosophy,	Maybin, Hugh, B.A.
Metaphysical and Economic Science,	*Johnston, James, B.A.
Chemistry,	Ryan, Hugh, B.A.
Natural History,	Neilson, Robert A.
<i>Special Prize</i> ,	Clarke, John Andrew.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Reid, John.
Brown, Henry.
Strain, James K. C.
M'Lean, Robert J.
Farley, William J.

Science Division.

Carmichael, John S.
Lyons, Frederick W.
Moody, James.
Watt, George.

SECOND YEAR.

Literary Division.

Hezlett, James M.
Watson, John.
Walker, Cuthbert F.
Curry, David S.
Scott, Ernest F.

Science Division.

Rishworth, Frank S.
†Hezlett, James M.
Mills, William S.
Gaston, James.

FIRST YEAR.

Literary Division.

Booth, Samuel.
Bailey, Alexander T.
Best, Robert.
O'Hara, Valentine.

Science Division.

M'Lean, Andrew H.
Ebbitt, Richard.
Whitton, Joseph.

Faculty of Law.

SENIOR EXHIBITION.

M'Namara, Michael J.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.	SECOND YEAR.	FIRST YEAR.
Rutledge, John G., M.A.	MacGregor, William, M.A.	Jones, James, M.A.

* Has gained an open Exhibition in Modern History at Merton Coll., Oxford.

† Ineligible, having obtained Scholarship in other division. Awarded Special Prize.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, .. Montgomery, Alexander W., B.A.

JUNIOR SCHOLARSHIPS

FOURTH YEAR.

Carbery, Edward O. B.

SECOND YEAR.

Keogh, William M. P. | Kerans, George C. L.

FIRST YEAR.

Science Division.

Cawley, Patrick T. | Anderson, Joseph G.

—

School of Engineering.

SECOND YEAR.

Pearson, James D.

FIRST YEAR.

Fleming, George H.

—

The Blayney Exhibition.*In Classics.*

Reid, John.

In Science.

Carmichael, John S.

SESSION 1896-97.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	..	..	..	Reid, John.
	<i>Special Prize,</i>	..	..	Kernaghan, Thomas W., B.A.
Mathematics,	..	..	..	Lyons, Frederick W., B.A.
Natural Philosophy,	..	..	..	Ryan, Hugh, B.A.
Metaphysical and Economic Science,	..	..	..	Strain, James K. C., B.A.
Natural History,	..	..	..	Mills, John A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Hezlett, James M.	|	‡ Rishworth, Frank S.
Watson, John.	|	† Hezlett, James.
Walker, Cuthbert F.	|	Mills, William S.
Currie, David S.	|	Gaston, James.
Scott, Ernest F.	|	

SECOND YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Booth, Samuel.	|	Hallidy, Robert J.
Barr, Andrew.	|	M'Lean, Andrew H.
Best, Robert.	|	
Bailey, Alexander T.	|	
O'Hara, Valentine.	|	

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
* Warnock, William.	|	* Warnock, William.
Clarke, Margaret.	|	Perry, Samuel.
Simpson, William A.	|	Renshaw, John W.
Aimers, Margaret M.	|	Moore, William I.
† Renshaw, John W.	|	Brennan, Thomas.
Bodkin, Leo F.	|	Mann, Samuel. } equal.

Faculty of Law.

SENIOR EXHIBITION.

Rutledge, John G., M.A.

* Having obtained *First* place in both divisions, retains both Scholarships.

† Ineligible, having obtained Scholarship in other division.

‡ Resigned.

Faculty of Law—continued.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Mac Gregor, William, M.A.

SECOND YEAR.

Jones, James, M.A.

FIRST YEAR.

Kernaghan, Thomas W., B.A.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Paisley, William.

JUNIOR SCHOLARSHIPS.

FOURTH YEAR.

* Paisley, William. | Hewitt, Alfred J.

THIRD YEAR.

Keogh, William M. P. | Neilson, Robert A.

SECOND YEAR.

Cawley, Patrick T. | Anderson, Joseph G.

FIRST YEAR.

<i>Literary Division.</i> Walsh, Thomas.		<i>Science Division.</i> Sandys, William A. Clements, John.	}	<i>equal.</i>
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School of Engineering.

THIRD YEAR.

Carmichael, John S.

SECOND YEAR.

Fleming, George H. | Rishworth, Frank S.

The Blayney Exhibition.

Classics, Hezlett, James.

* Resigned.

SESSION 1897-98.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	..	..	..	Farley, William J., B.A.
Modern Languages,	}	..	..	Watson, John, B.A.
Modern History,		..	..
Natural Philosophy,	..	..	..	Hezlett, James M., B.A.
Metaphysical and Economic Science,	..	..	..	Curry, David S.
Chemistry,	..	..	..	Mills, William S.
Natural History,	..	..	..	Scott, Ernest F.

SENIOR EXHIBITION.

Modern Language and Modern History,	..	Walker, Cuthbert F., B.A.
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JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Barr, Andrew.		Walsh, Thomas.
Booth, Samuel.		Hallidy, Robert J.
Bailey, Alexander T.		McLean, Andrew H.
Clarke, John A.		

SECOND YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
* Warnock, William.		* Warnock, William.
Clarke, Margaret.		Moore, William I.
Aimers, Margaret M.		Mann, Samuel.
Simpson, William A.		Renshaw, John W.
Bodkin, Leo F.		

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
* Strain, Thomas G.		* Strain, Thomas G.
Williams, William J.		Cummins, Robert J.
McCausland, Joseph.		Hall, John.
O'Gorman, Andrew.		Bailey, Robert.
O'Flynn, Michael J.		

SCHOLARS.

Faculty of Law.

SENIOR EXHIBITION.

MacGregor, William, M.A., LL.B.

* Having obtained *First* place in both divisions, retains both Scholarships.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

John T. Monahan.

Faculty of Medicine.

SENIOR EXHIBITION.

Anatomy and Physiology, Hewitt, Alfred J.

JUNIOR SCHOLARSHIPS.

FOURTH YEAR.

Kerans, George C. L.

THIRD YEAR.

Cawley, Patrick T. | Anderson, Joseph G.

SECOND YEAR.

* Walsh, Thomas. | Sandys, William A.
Richards, Henry E. S. |

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
† Forde, Dudley.		Forde, Dudley.
Dee, James.		

School of Engineering.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Rishworth, Frank S.

SECOND YEAR.

Whitton, Joseph.

FIRST YEAR.

Emerson, Richard G.
Hamilton, Thomas.

The Blayney Exhibition.

Science, McLean, Andrew H.

* Ineligible, having obtained an Arts Scholarship of the Third Year Science Division.

† Ineligible, having obtained a Scholarship in the Science Division.

SESSION 1898-99.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Booth, Samuel.
Natural Philosophy,	M'Lean, Andrew H.
Natural History,	Walsh, Thomas.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Rea, Thomas.	Moore, William I.
Clarke, Margaret.	Whitton, Joseph.
Aimers, Margaret M.	
* Simpson, William A.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
† Strain, Thomas G.	† Strain, Thomas G.
M'Causland, Joseph.	Perry, Samuel.
Williams, William J.	Hall, John.
M'Grath, Edward H.	
O'Gorman, Andrew.	
O'Flynn, Michael J.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Warnock, James.	Cole, James A.
Porterfield, Samuel.	† Warnock, James.
O'Neill, Joseph J. } <i>equal.</i>	M'Lachlan, Robert B.
Lydon, Patrick J.	
M'Feeters, Robert J.	
Daly, Emily D. M.	
M'Conaghy, John.	
Gailey, William.	

Faculty of Law.

JUNIOR SCHOLARSHIPS.

FIRST YEAR.

Bodkin, Leo F.

* Ineligible, having obtained a Medical Scholarship of the First Year—Science Division.

† Having obtained *First* place in both divisions, retains both Scholarships.

‡ Ineligible, having obtained a Scholarship in the Literary Division.

Faculty of Medicine.**SENIOR SCHOLARSHIP.**

Anatomy and Physiology, Anderson, Joseph G.

JUNIOR SCHOLARSHIPS.**FOURTH YEAR.**

* Anderson, Joseph G. | Mills, John A., B.A.

THIRD YEAR.

Richards, Henry E. S. | Scott, Ernest F.

SECOND YEAR.

Warnock, William. | Best, Robert.

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Burke, Henry J.		Simpson, William A.

School of Engineering.**SENIOR SCHOLARSHIP.**

Hall, Arthur A., B.A.

JUNIOR SCHOLARSHIPS.**THIRD YEAR.**

Mills, William S., B.A.

SECOND YEAR.

Cummins, Robert J. | Burden, William M.C.

The Blayney Exhibition.

Classics, Williams, William J.

* Ineligible, having obtained the Senior Scholarship in Anatomy and Physiology.

SESSION 1899-1900.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Modern Languages and Modern History, ..	Aimers, Margaret M.
Natural Philosophy,	Moore, William Irwin, B.A.
Metaphysical and Economic Science, ..	Bodkin, Leo F.
Chemistry,	Walsh, Thomas, B.A.
Natural History,	Best, Robert.

SENIOR EXHIBITION.

Modern Languages and Modern History, ..	Clarke, Margaret.
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JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.
M'Grath, Edward H.
Williams, William J.
O'Gorman, Andrew.

Science Division.
Strain, Thomas G.
Cummins, Robert J.

SECOND YEAR.

Literary Division.
O'Neill, Joseph J.
Porterfield, Samuel.
* Warnock, James.
Lydon, Patrick J.
Lyons, James A.
Reid, Patrick.

Science Division.
Warnock, James.
Cole, James A.
Walsh, Peter.
M'Lachlan, John S.
Ebbitt, Richard W.

FIRST YEAR.

Literary Division.
Heaslett, George H.
Morrison, William J.
Kenny, Patrick J.
Steinberger, Cecil L. M.
Perry, Margaret.

Science Division.
Bell, Gilmore.
Maxwell, George.
Rutherford, Robert G.
* Kenny, Patrick J.
* Morrison, William J.
Mullery, Edward W.
Angus, Samuel.

Faculty of Law.

JUNIOR SCHOLARSHIP.

FIRST YEAR.

M'Mullan, Hugh S., M.A.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.**SENIOR SCHOLARSHIP IN ANATOMY AND PHYSIOLOGY.**

Richards, Henry E. S.

SENIOR EXHIBITION.

Sandys, William A.

JUNIOR SCHOLARSHIPS.**FOURTH YEAR.**

* Sandys, William A. | Clements, John.

THIRD YEAR.

Warnock, William. | Forde, Dudley.

SECOND YEAR.

Simpson, William A. | O'Flynn, Michael J.

FIRST YEAR.

<i>Literary Division.</i>		<i>Science Division.</i>
Byrne, James.		Flack, James.

School of Engineering.**SENIOR SCHOLARSHIP.**

Whitton, Joseph, B.E.

SENIOR EXHIBITION.

Hardiman, James C.

JUNIOR SCHOLARSHIPS.**THIRD YEAR.**

† Cummins, Robert J. | Mann, Samuel.

SECOND YEAR.

O'Hara, Donald J. | Mairs, William C.

FIRST YEAR.

Roseingrave, Thomas W. | Rutledge, Patrick V.

The Blayney Exhibition.

Science, Strain, Thomas G.

The "Dr. and Mrs. W. A. Browne" Scholarship.

Steinberger, Cecil L. M.

The answering of Mr. Edward H. M'Grath was very favourably reported on by the Examiner.

* Ineligible, having obtained a Senior Exhibition.

† Ineligible, having obtained a Scholarship in Arts of the Third Year (Science Division).

SESSION 1900-1901.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

English, Modern Languages, and Modern History,	Rea, Thomas, M.A.
Metaphysics and Political Science,	Williams, William J.
Natural History,	M'Causland, Joseph.

SENIOR EXHIBITIONS.

Ancient Classics,	O'Gorman, Andrew.
English, Modern Languages, and Modern History,	M'Grath, Edward H.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
O'Neill, Joseph J.	Warnock, James.
Lydon, Patrick J.	M'Lachlan, Robert B.
Reid, Patrick J.	Flack, James. } equal.
	Hall, John. }
	Cole, James J.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Angus, Samuel.	Bell, Gilmore.
Steinberger, Cecil L. M.	Rutherford, Robert J.
Kenny, Patrick J.	
Perry, Margaret.	
Brash, Robert.	
Morrison, William J.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Thompson, Frances L.	Perry, Agnes M.
Minnis, Samuel.	Clarke, Rosalind.
*Clarke, Rosalind.	Compton, Arthur J. W.
O'Brien, Michael.	Philpott, Nicholas C.
Walsh, Patrick M.	*O'Brien, Michael.
	Duncan, Robert M.

* Ineligible, having obtained Scholarship in other division.

Faculty of Law.

JUNIOR SCHOLARSHIP.

FIRST YEAR.

Turner, Alexander K.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology.—Walsh, Thomas, B.A

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Simpson, William A. | O'Flynn, Michael

SECOND YEAR.

Porterfield, Samuel. | Shanklin, John G.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Cusack, Patrick J.	|	Byrne, Francis P.

School of Engineering.

SENIOR SCHOLARSHIP.

Cummins, Robert J., B.E.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Mairs, William C.

SECOND YEAR.

M'Lachlan, John S. | Moore, John A.

FIRST YEAR.

Watson, Edwin.

The Blayney Exhibition.

O'Neill, Joseph J.

The "Dr. and Mrs. W. A. Browne" Scholarship

Steinberger, Cecil L. M.

SESSION 1901-1902.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

English and Modern Languages, ..	O'Neill, Joseph J., B.A.
Mathematics,	Cole, James A., B.A.
Natural Philosophy,	Warnock, James, B.A.
Chemistry,	M'Causland, Joseph, B.A.
Natural History,	Byrne, James.

SENIOR EXHIBITION.

English and Modern Languages, .. Lydon, Patrick J.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division</i>
Angus, Samuel.	Walsh, Peter.
Steinberger, Cecil L. M.	Brash, Robert.
Perry, Margaret.	Maxwell, George
Lyons, James A.	Bell, Gilmore.
Kenny, Patrick J.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division</i>
Minnis, Samuel.	Perry, Agnes M.
Thompson, Frances L.	Clarke, Rosalind.
	Compton, Arthur J. W
	Duncan, Robert M.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
May, Thomas.	Lynham, John E. A.
M'Clean, Louis T. L.	Compton, Samuel J. M.
Brash, Janet W.	Forsythe, John.
*Lynham, John E. A.	
Moon, Katie.	

* Ineligible, having obtained Scholarship in other division.

Faculty of Law.**JUNIOR SCHOLARSHIPS****SECOND YEAR.**

Turner, Alexander K

FIRST YEAR.

Cusack, Patrick J.

Faculty of Medicine.**JUNIOR SCHOLARSHIPS.****FOURTH YEAR.**

Simpson, William A.

THIRD YEAR.

Porterfield, Samuel. | Flack, James.

SECOND YEAR.

Dowling, John. | Flack, Isaac.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Dunlop, John L.		Carson, William F. A.

School of Engineering.**SENIOR SCHOLARSHIP.**

Mairs, William C.

JUNIOR SCHOLARSHIP.**THIRD YEAR.**

M'Lachlan, John S.

SECOND YEAR.

Watson, Edwin. | M'Lachlan, Robert B.

FIRST YEAR.

Montagu, Cuthbert F. | Smith, Henry W. S.

The Blayney Exhibition.

Perry, Agnes M.

The "Dr. and Mrs. W. A. Browne" Scholarship
Steinberger, Cecil L. M.

SESSION 1902-1903.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Angus, Samuel, B.A.
English and Modern Languages,	Steinberger, Cecilia L. M., B.A.
Mathematics,	Maxwell, George.
Metaphysics, Political Science, and History,	Lydon, Patrick J.
Chemistry,	Brash, Robert.

SENIOR PRIZE.

Ancient Classics,	Kenny, Patrick J.
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JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.

Minnis, Samuel.
Thompson, Frances L.
Eakin, Mary D.

Science Division.

Perry, Agnes M.
Clarke, Rosalind.
M'Crea, Robert A. M. L.

SECOND YEAR.

Literary Division.

Brash, Janet W.
O'Brien, Michael.
M'Clean, Louis T. L.
Forsythe, John.
*Harrison, Alexander L.

Science Division.

Lynham, John E. A.
Watson, Edwin.
Harrison, Alexander L.
Hannigan, James J.

FIRST YEAR.

Literary Division.

Matthews, William D. W.
*M'Donagh, Stephen J.
Perry, Janet H.
Rentoul, Gervais S. C.
Henry, Rachel J. L.
Lynham, Lilian E. M.

Science Division.

Fogarty, Philip C.
M'Donagh, Stephen J.
Perry, Alice J.
Brash, George T.
M'Cleery, Ernest F.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Cusack, Patrick J.

FIRST YEAR.

Lynch, John B.

* Ineligible, having obtained Scholarship in other division.

Faculty of Medicine.

SENIOR SCHOLARSHIP.

Anatomy and Physiology, Porterfield, Samuel, B.A.

JUNIOR SCHOLARSHIPS.

FOURTH YEAR.

Shanklin, John G. | Flack, James.

THIRD YEAR.

Flack, Isaac. | Dowling, John.

SECOND YEAR.

Gannon, James J. A. | Dunlop, John L.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Dagg, Christina M. C.		Garry, John W.

School of Engineering.

SENIOR SCHOLARSHIP.

M'Lachlan, John S., B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

M'Lachlan, Robert B.

SECOND YEAR.

Duncan, Robert M.		Montagu, Cuthbert F. Smith, Henry W. S.	}	<i>equal.</i>
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FIRST YEAR.

May, Thomas. | Hickson, Robert C.

The Blayney Exhibition.

Thompson, Frances L.

The "Dr. and Mrs. W. A. Browne" Scholarship.

Minnis, Samuel.

SESSION 1903-1904.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

English and Modern Languages,	Perry, Margaret.
Mathematics,	Perry, Agnes M., B.A.
Chemistry,	Clarke, Rosalind.
Natural History,	M'Crea, Robert A. M. L.

SENIOR PRIZES.

Ancient Classics,	Thompson, Frances L.
Natural Philosophy,	Brash, Robert.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Lean, Louis T. L.	Duncan, Robert M. }
Brash, Janet W.	Hannigan, James J. }
Forsythe, John.	Lynham, John E. A.
Harrison, Alexander L.	Compton, Arthur J. W.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Donagh, Stephen J.	Fogarty, Philip C.
Perry, Janet H.	Hickson, Robert C.
Henry, Rachel J. L.	Perry, Alice J.
	* M'Donagh, Stephen J.

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
† Jack, Thomas.	† Jack, Thomas.
Walsh, Patrick.	Bowen, John E. }
Walsh, Michael.	Rentoul, James L. } equal.
Bell, Wilson A.	Donovan, John T.
Steinberger, Lillian B.	* Walsh, Patrick. }
	Clarke, David L. } equal.

* Ineligible, having obtained a Scholarship in other division.

† Having obtained *First* place in both divisions, retains both Scholarships.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Lynch, John B.

FIRST YEAR.

Fahy, John V.

Faculty of Medicine.

JUNIOR SCHOLARSHIPS.

FOURTH YEAR.

Dowling, John.

Flack, Isaac.

THIRD YEAR.

Gannon, James J. A.

Dunlop, John L.

SECOND YEAR.

Garry, John W.

Hughes, John.

FIRST YEAR.

Literary Division.
 *Dowling, Edward.
 Derry, George.

Science Division.
 Dowling, Edward.

School of Engineering.

SENIOR SCHOLARSHIP.

M'Lachlan, Robert B., B.E.

* Ineligible, having obtained a Scholarship in other division.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Montagu, Cuthbert F.

SECOND YEAR.

May, Thomas. | M'Gillycuddy, Henry A.

FIRST YEAR.

Budd, John S. S.

The Blayney Exhibition.

Montagu, Cuthbert F.

The "Dr. and Mrs. W. A. Browne" Scholarship.

Steinberger, Lilian Blanche.

SESSION 1904-1905.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	*Louis T. L. M'Clean, B.A.
English and Modern Languages, ..	Janet W. Brash.
Metaphysics, Political Science, and History,	*Alexander L. Harrison.
Chemistry,	Arthur J. W. Compton, B.A.
Natural History,	John E. A. Lynham, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
M'Donagh, Stephen J.	[None.]
Fogarty, Philip C.	
Henry, Rachel J. L.	

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
†Jack, Thomas.	†Jack, Thomas.
Walsh, Michael.	Bowen, John E.
‡Donovan, John T.	Rentoul, James L.
Steinberger, Lilian B.	Donovan, John T.
Walsh, Patrick.	
Bell, Wilson A.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Rodgers, Thomas F.	Watson, Charles H. }
Little, Anna F.	Dee, Christopher. }
Stoops, William J.	Walsh, Edward.
Moffatt, Edith J.	Currie, Josias.
Newell, Michael A.	

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Fahy, John V.

FIRST YEAR.

Flack, Isaac.

* Ineligible, not having complied with the College Regulations.

† Having obtained *First* place in both divisions, retains both Scholarships.

‡ Ineligible, having obtained a Scholarship in the other division.

Faculty of Medicine.**SENIOR SCHOLARSHIP IN ANATOMY AND PHYSIOLOGY.**

Dunlop, John L., B.A.

JUNIOR SCHOLARSHIPS.**FOURTH YEAR.**

Gannon, James J. A.

THIRD YEAR.

Hughes, John. | O'Sullivan, Christopher F. X.

SECOND YEAR.

Dowling, Edward. | Mulligan, Michael J.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Devine, Michael G.	|	Rothwell, Thomas G.

School of Engineering.**SENIOR SCHOLARSHIP.**

Dick, Robert C., B.E.

JUNIOR SCHOLARSHIPS.**THIRD YEAR.**

Hannigan, James J., B.A.

SECOND YEAR.

Perry, Alice J. | Redmond, William H.

FIRST YEAR.

Oram, Arthur. | Leaper, Joseph M. F.

The Blayney Exhibition.

Jack, Thomas.

The "Dr. and Mrs. W. A. Browne" Scholarship

Steinberger, Lilian B.

SESSION 1905-1906.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

English and Modern Languages, Janet H. Perry.
 Metaphysics, Political Science, and History, Philip C. Fogarty, B.A.
 Natural History, John C. Macaulay.

SENIOR EXHIBITION.

English and Modern Languages, Stephen J. M'Donagh, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

Literary Division.
 Jack, Thomas.
 Steinberger, Lilian B.
 Walsh, Michael.
 Bell, Wilson A.
 Armour, James B. M.

Science Division.
 Bowen, John E.
 *Jack, Thomas.
 Rentoul, James L.
 { Stevenson, Elizabeth I.
 { Ball, Frederick J.
 Donovan, John T.

SECOND YEAR.

Literary Division.
 Little, Anna F.
 Stoops, William J.
 Moffatt, Edith J.
 Newell, Michael A.
 { Marshall, Robert L.
 { Martin, Cornelius.

Science Division.
 Watson, Charles H.
 Currie, Josias.
 Walsh, Edward.
 Dee, Christopher.

FIRST YEAR.

Literary Division.
 Donovan, Mary J.
 Fogarty, Michael J.

Science Division.
 Carson, Richard A.
 Campbell, Thomas C.
 Patrick, Joseph.
 Rentoul, Robert W. R.
 *Fogarty, Michael J.
 Stoops, Harriet.

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Flack, Isaac.

FIRST YEAR.

Fogarty, William G.

* Ineligible, having obtained a Scholarship in other division.

Faculty of Medicine.**SENIOR EXHIBITION IN ANATOMY AND PHYSIOLOGY.**

Lynham, John E. A., B.A.

JUNIOR SCHOLARSHIPS.**FOURTH YEAR.**

Hughes, John. | O'Sullivan, Christopher F. X.

THIRD YEAR.

Dowling, Edward. | Mulligan, Michael J.

SECOND YEAR.

O'Malley, Michael G. | Brown, James A.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Kerr, Robert A.		Mulholland, Henry C.

School of Engineering.**SENIOR SCHOLARSHIP.**

M'Gillycuddy, Henry A., B.E.

JUNIOR SCHOLARSHIPS.**THIRD YEAR.**

Perry, Alice J.

SECOND YEAR.

Oram, Arthur. | Leaper, Joseph M. F.

FIRST YEAR.

Carson, Francis C. K. | O'Dea, Timothy

The Blayney Exhibition.

Jack, Thomas.

The "Dr. and Mrs. W. A. Browne" Scholarship.

Steinberger, Lilian B.

SESSION 1906-1907.

Faculty of Arts.

SENIOR SCHOLARSHIPS.

Ancient Classics,	Thomas Jack.
Mathematics,	John E. Bowen, B.A.
Natural Philosophy,	John T. Donovan, B.A.
Metaphysics, Political Science, and History,	James B. M. Armour, B.A.
Natural History,	Frederick J. Ball, B.A.

SENIOR EXHIBITIONS.

Ancient Classics,	William A. Bell, B.A.
English and Modern Languages,	Michael Walsh.
Metaphysics, Political Science, and History,	{ David L. Clarke, B.A.
	{ Stephen J. M'Donagh, B.A.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Marshall, Robert L.	Watson, Charles H.
Newell, Michael A.	Leaper, Joseph M. F.
	Currie, Josias.
	Martin, Cornelius.

SECOND YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
Donovan, Mary J.	Campbell, Thomas C.
Stoops, Harriet.	Doyle, Valentine D.
O'Brien, William.	

FIRST YEAR.

<i>Literary Division.</i>	<i>Science Division.</i>
*Mac Fall, John L.	Pedlow, Joseph H.
Duncan, Ethel M.	Paul, John M.
*Stewart, William J.	Kearney, Thomas.
Anderson, Elizabeth.	Steinberger, Frederick R.
Collins, Jane D.	

Faculty of Law.

JUNIOR SCHOLARSHIPS.

SECOND YEAR.

Fogarty, William G.

FIRST YEAR.

Fogarty, Philip C., B.A.

*These also qualified for Scholarships in the Science Division.

Faculty of Medicine.

SENIOR SCHOLARSHIP IN ANATOMY AND PHYSIOLOGY.

Dowling, Edward, B.A.

JUNIOR SCHOLARSHIPS.

FOURTH YEAR.

Mulligan, Michael J.

THIRD YEAR.

Byrne, Bartly. | Brown, James A.

SECOND YEAR.

Kerr, Robert A. | Mulholland, Henry C.

FIRST YEAR.

<i>Literary Division.</i>	|	<i>Science Division.</i>
Matthews, Samuel W.	|	Rishworth, Walter N.

School of Engineering.

SENIOR SCHOLARSHIP.

Perry, Alice J., B.E.

SENIOR EXHIBITION.

Redmond, William H., B.E.

JUNIOR SCHOLARSHIPS.

THIRD YEAR.

O'ram, Arthur.

SECOND YEAR.

M'Crea, Robert. | Carson, Francis C. K.

FIRST YEAR.

Walsh, Patrick, B.A. | Lewis, Frederick E.

"Dr. and Mrs. W. A. Browne" Scholarship.

Anderson, Elizabeth.
Donovan, Mary J.

LIST OF PRIZES AWARDED AT THE SESSIONAL
EXAMINATIONS IN THE SESSION 1905-1906.

Faculty of Arts.

FIRST YEAR.

Latin,	..	..	..	First Rank	Mary J. Donovan.
"	..	..	..	Second Rank	Richard A. Carson.
French,	..	..	..	First Rank	Mary J. Donovan.
"	..	..	..	" "	Harriett Stoops.
"	..	..	..	Second Rank	Richard A. Carson.
"	..	..	..	" "	{ Michael J. Fogarty.
"	..	..	..	" "	{ Thomas C. Campbell.
German,	..	..	..	First Rank	Mary J. Donovan.
"	..	..	..	" "	Harriett Stoops.
Italian,	..	..	..	Second Rank	Marianne J. Spence.
English,	..	..	..	First Rank	Mary J. Donovan.
"	..	..	..	Second Rank	Marianne J. Spence.
"	..	..	..	" "	Harriett Stoops.
"	..	..	..	" "	Michael J. Fogarty.
Mathematics,	..	..	..	First Rank	Richard A. Carson.
"	..	..	..	" "	Thomas C. Campbell.
"	..	..	..	Second Rank	Robert W. R. Rentoul.
Experimental Physics,	..	..	..	Second Rank	Thomas C. Campbell.
"	..	..	..	" "	Mary J. Donovan.
"	..	..	..	" "	Richard A. Carson.

SECOND YEAR.

Latin,	..	..	..	First Rank	Robert L. Marshall.
"	..	..	..	Second Rank	Edith J. Moffatt.
French	..	..	..	First Rank	William J. Stoops.
"	..	..	..	Second Rank	Anna F. Little.
"	..	..	..	" "	Edith J. Moffatt.
German,	..	..	..	First Rank	Edith J. Moffatt.
"	..	..	..	Second Rank	Anna F. Little.
English,	..	..	..	First Rank	Robert L. Marshall.
"	..	..	..	Second Rank	Anna F. Little.
Celtic,	..	..	..	Second Rank	Michael A. Newell.
Zoology and Practical Biology,	..	..	..	Second Rank	Edward Walsh.
"	..	..	..	" "	Cornelius Martin.
Botany,	..	..	..	First Rank	Cornelius Martin.
Mathematics,	..	..	..	First Rank	Charles H. Watson.
Logic,	..	..	..	Second Rank	Josias Currie.
Chemistry,	..	..	..	First Rank	Frederick E. Lewis.
"	..	..	..	Second Rank	Charles H. Watson.

Prizes awarded at Sessional Examinations. 243

SECOND YEAR—*continued.*

Mathematical Physics,	..	First Rank	Charles H. Watson.
Experimental Physics,	..	First Rank	Charles H. Watson.
" "	..	Second Rank	Edward Walsh.
" "	..	" "	Andrew C. Leitch.
Practical Physics,	..	First Rank	Charles H. Watson.
" "	..	" "	Frederick E. Lewis.
" "	..	Second Rank	Andrew C. Leitch.

THIRD YEAR.

Latin,	..	First Rank	Thomas Jack.
" "	..	Second Rank	Kathleen Clarke.
Greek,	..	First Rank	Thomas Jack.
" "	..	Second Rank	Wilson A. Bell.
French,	..	First Rank	Janet H. Perry.
" "	..	" "	Lilian B. Steinberger.
German,	..	First Rank	Janet H. Perry.
" "	..	" "	Lilian B. Steinberger.
English,	..	First Rank	James B. M. Armour.
" "	..	Second Rank	Janet H. Perry.
Celtic,	..	First Rank	Michael Walsh.
History,	..	Second Rank	James B. M. Armour.
Practical Physiology,	..	Second Rank	Frederick J. Ball.
Practical Histology,	..	Second Rank	Frederick J. Ball.
Botany,	..	First Rank	Frederick J. Ball.
Biology,	..	First Rank	Frederick J. Ball.
Mathematics,	..	First Rank	John E. Bowen.
" "	..	" "	Thomas Jack.
" "	..	Second Rank	Elizabeth I. Stevenson.
Mathematical Physics,	..	First Rank	John E. Bowen.
" "	..	" "	Thomas Jack.
" "	..	Second Rank	Elizabeth I. Stevenson.
Experimental Physics,	..	Second Rank	John T. Donovan.
Practical Physics,	..	Second Rank	John T. Donovan.
Political Economy,	..	First Rank	James B. M. Armour.

Faculty of Law.

FIRST YEAR.

Jurisprudence,	..	First Rank	William G. Fogarty.
" "	..	Second Rank	David L. Clarke.
English Law,	..	First Rank	William G. Fogarty

SECOND YEAR.

Roman Law,	..	First Rank	Isaac Flack.
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Faculty of Medicine.

FIRST YEAR.

Anatomy,	First Rank	Robert A. Kerr.
Chemistry,	First Rank	Robert A. Kerr.
" " " " "	Second Rank	{ Henry C. Mulholland.
" " " " "		{ Henry Q. O. Wheeler.
Botany,	" "	Robert A. Kerr.
Zoology,	First Rank	Robert A. Kerr.
" " " " "	Second Rank	William O'Brien.
Practical Biology, ..	Second Rank	William O'Brien.
" " " " "	" "	{ Henry C. Mulholland.
" " " " "	" "	{ Robert A. Kerr.
Experimental Physics, ..	First Rank	Robert A. Kerr.
Practical Physics, ..	First Rank	Robert A. Kerr.

SECOND YEAR.

Anatomy,	First Rank	Michael G. O'Malley.
Physiology,	First Rank	Michael G. O'Malley.
" " " " "	" "	James A. Brown.
" " " " "	Second Rank	Thomas G. Rothwell.
" " " " "	" "	Bartly Byrne.
Chemistry,	First Rank	James A. Brown.
" " " " "	Second Rank	Bartly Byrne.
Materia Medica,	Second Rank	Bartly Byrne.

THIRD YEAR.

Anatomy,	First Rank	Edward Dowling.
" " " " "	" "	Michael J. Mulligan.
Physiology,	First Rank	Edward Dowling.
" " " " "	" "	Michael J. Mulligan.
Practical Physiology ..	Second Rank	{ Edward Dowling.
" " " " "	" "	{ Michael J. Mulligan.
Practical Histology, ..	First Rank	Edward Dowling.
" " " " "	Second Rank	Michael J. Mulligan.
Medicine,	First Rank	Michael J. Mulligan.
" " " " "	Second Rank	Edward Dowling.
Surgery,	Second Rank	Michael J. Mulligan.
" " " " "	" "	Edward Dowling.

FOURTH YEAR.

Midwifery,	First Rank	Richd. G. C. M. Kinkead.
" " " " "	" "	Christ. F. X. O'Sullivan.
Medical Jurisprudence, ..	First Rank	Richd. G. C. M. Kinkead.
" " " " "	Second Rank	Christ. F. X. O'Sullivan.
Pathology	First Rank	Christ. F. X. O'Sullivan.
" " " " "	" "	John Hughes.

School of Engineering.

FIRST YEAR.

Engineering,	..	..	First Rank	Robert M'Crea.
„	„	„	„	Francis C. K. Carson.
„	„	„	Second Rank	Timothy O'Dea.
Drawing,	..	..	First Rank	Robert M'Crea.
„	„	„	Second Rank	Francis C. K. Carson.
Chemistry,	..	..	First Rank	Robert M'Crea.
Experimental Physics,	..	..	Second Rank	Francis C. K. Carson.
Practical Physics,	..	..	First Rank	Francis C. K. Carson.
„	„	„	„	Robert M'Crea.
„	„	„	Second Rank	Timothy O'Dea.

SECOND YEAR.

Engineering,	..	..	First Rank	Arthur Oram.
„	„	„	„	Thomas W. Platt.
„	„	„	Second Rank	George T. Brash.
Drawing,	..	..	First Rank	Arthur Oram.
„	„	„	„	William W. Buchanan.
„	„	„	Second Rank	George T. Brash.
„	„	„	„	Thomas W. Platt.
Chemistry,	..	..	First Rank	Joseph M. F. Leaper.
Mathematical Physics,	..	..	Second Rank	Arthur Oram.
Electrical Engineering,	..	..	Second Rank	Arthur Oram.
Geology,	..	..	Second Rank	George T. Brash.

THIRD YEAR.

Engineering,	..	..	First Rank	Ambrose L. Moore.
„	„	„	„	Alice J. Perry.
Drawing,	..	..	First Rank	Alice J. Perry.
„	„	„	„	Ambrose L. Moore.
„	„	„	Second Rank	William H. Redmond.
Geology,	..	..	First Rank	Alice J. Perry.
„	„	„	Second Rank	William H. Redmond.
„	„	„	„	Ambrose L. Moore.
Electrical Engineering,	..	..	Second Rank	Ambrose L. Moore.

DEGREES, EXHIBITIONS, HONOURS, &c., OBTAINED BY STUDENTS OF THE COLLEGE AT THE EXAMINATIONS OF THE ROYAL UNIVERSITY OF IRELAND IN 1906.

Faculty of Arts.

THE D.Sc. DEGREE EXAMINATION.

AUTUMN.

Mills, William S., M.A., B.E.

THE PH.D. DEGREE, UNIVERSITY OF GÖTTINGEN.

William Goodwin, B.Sc.

B.A. DEGREE EXAMINATION.

SUMMER.

PASS.

Dowling, Edward.
Rentoul, James L.

| Walsh, Patrick.

AUTUMN.

EXHIBITIONS.

Ball, Frederick J.,	..	..	..	Second Class (£21).
Bowen, John E.,	..	..	..	Second Class (£21).
Clarke, John A.,	..	..	..	Second Class (£21).
Perry, Janet H.,	Second Class (£21).

Honours in Modern Literature.

Perry, Janet H.,	Second Class.
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Honours in Mathematical Science.

Bowen, John E.,	Second Class.
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Honours in Biology and Physiology.

Clarke, John A.,	Second Class.
all, Frederick J.,	Second Class.

THE "DR. AND MRS. W. A. BROWNE" GOLD MEDAL.

Perry, Janet H.

PASS.

Bell, Wilson A.
Frazer, Eleanor.
Henry, Rachel J. L.

Clarke, David L.
Armour, James B. M.
Donovan, John T.

SCHOLARSHIPS.

IN MODERN LITERATURE.

Donovan, Mary J., Second Class.

SECOND UNIVERSITY EXAMINATION.

SUMMER.

Honours in French.

Little, Anna F., Second Class.

Honours in German.

Little, Anna F., Second Class.
Moffatt, Edith J., Second Class.

Honours in Irish.

Newell, Michael A., Second Class.

Honours in Experimental Physics.

Leaper, Joseph M. F., Second Class.

PASS.

Brash, George T.
Leaper, Joseph M. F.
Leitch, Andrew C.
Lewis, Frederick E.

Little, Anna F.
Marshall, Robert L.
Moffatt, Edith J.
Newell, Michael A.

FIRST UNIVERSITY EXAMINATION.

SUMMER.

EXHIBITION.

Donovan, Mary J., Second Class (£15).

Honours in English.

Donovan, Mary J., Second Class.

Honours in French.

Donovan, Mary J., First Class.
Fogarty, Michael J., Second Class.

Honours in German.

Stoops, Harriet, Second Class.

Honours in Mathematics.

Campbell, Thomas C., Second Class.

PASS.

Campbell, Thomas C.	|	Hackett, Michael J.
Carson, Francis C. K.	|	Keane, Francis J.
Donovan, Mary J.	|	Moore, Robert.
Fogarty, Michael J.	|	Stoops, Harriet.

AUTUMN.

PASS.

Patrick, Joseph.	|	Spence, Marianne J.
Rentoul, Robert W. R.	|	

Faculty of Medicine.

M.B., B.CH., B.A.O. DEGREES EXAMINATION.

AUTUMN.

EXHIBITION.

Warnock, James, M.A., Second Class (£25).

Honours in Medicine Group.

Warnock, James, M.A., First Class.

Dunlop, John L., B.A., Second Class.

Honours in Surgery Group.

Dunlop, John L., B.A., First Class.

Warnock, James, M.A., Second Class.

Honours in Midwifery Group.

Warnock, James, M.A., First Class.

UPPER PASS.

Dunlop, John L., B.A.

M'Creagh, Robert A. M. L.

Warnock, James, M.A.

PASS.

Dowling, John.

Gannon, James J. A.

THIRD EXAMINATION IN MEDICINE.

AUTUMN.

PASS.

Macauley, John C.

FIRST EXAMINATION IN MEDICINE.

SUMMER.

Honours in Chemistry.

Kerr, Robert A., Second Class.

Mulholland, Henry C., Second Class.

PASS.

Kelly, Ignatius P.

Kerr, Robert A.

Mulholland, Henry C.

AUTUMN.

PASS.

Hackett, Michael J.

Morris, Denis V.

O'Brien, William.

Walsh, Edward.

N

School of Engineering.**B.E. DEGREE EXAMINATION.****SUMMER.****EXHIBITION.**

Perry, Alice J., First Class (£42).

HONOURS.

Perry, Alice J., First Class.

Moore, Ambrose L., B.A., Second Class.

PASS.

Redmond, William H.

DIPLOMA IN ENGINEERING.

Quigley, James.

SECOND PROFESSIONAL EXAMINATION.**PASS.**

Brash, George T.
Leaper, Joseph M. F.

Oram, Arthur.

FIRST PROFESSIONAL EXAMINATION.**HONOURS.**

M'Crea, Robert, Second Class.

Watson, Charles H., Second Class.

PASS.

Anderson, Adam.
Carson, Francis C. K.
Cole, James A., M.A.
Creedon, Denis.
Dee, Christopher.

Leitch, Andrew C.
M'Donagh, Stephen J., B.A.
O'Dea, Timothy.
Waller, James H.

OTHER DISTINCTIONS OBTAINED BY STUDENTS OF THE
COLLEGE IN 1906 :—

Lecturer in Chemistry, Royal Polytechnic, Woolwich.

W. Sloan Mills, M.A., D.S.C., B.E.

Superintendent of Schools for the City of New York.

William H. Maxwell, M.A., PH.D., LL.D.

Lecturer in Mathematics, Royal Polytechnic, Woolwich.

Thomas Stuart, M.A., D.S.C., late J.F. R.U.I.

Indian Civil Service, 39th place.

Thomas Jack.

Mathematical Master, Chesterfield Grammar School.

Thomas G. Strain, B.A.

**Classical Tripos, University of Cambridge. Part I., Class I., 1906
and an Agnata Butler Prize.**

Frances L. Thompson, B.A.

**Engineer-in-Chief of the Railways under the Government of
Newfoundland.**

Thomas A. Hall, B.E., B.A.

Engineer in the Indian Public Works Department.

Henry W. S. Smith, B.A., B.E.

County Surveyorships.

Robert J. Kirwan, B.A., B.E., Sligo.

Patrick J. Prendergast, Galway, W.R.

**Engineering Appointments under the Congested Districts Board,
Ireland.**

John A. Moore, B.E.

Thomas Walsh, B.E.

John J. Noonan.

Engineer to the County Council of Roscommon.

Martin McDermott.

EXAMINATION PAPERS, 1906-1907.

LITERARY SCHOLARSHIPS OF THE FIRST YEAR.

LATIN.

FIRST PAPER.

Examiner—PROFESSOR EXON.

[Translations should be both idiomatic and accurate. Short explanatory notes may be added when necessary.]

1. Translate into English:—

Hannibali alia in his locis bene *gerendae* rei fortuna *oblata* est. M. Centenius fuit cognomine Paenula, insignis inter primi pili centuriones et magnitudine corporis et animo: is perfunctus *militia* per P. Cornelium Sullam praetorem in senatum introductus petit a patribus, uti sibi quinque millia militum *darentur*: se peritum et hostis et regionum brevi operae pretium facturum et, quibus artibus ad id locorum nostri et duces et exercitus capti *forent*, iis adversus inventorem usurum. Id non promissum magis stolide quam stolide creditum, tamquam eadem militares et imperatoriae artes *essent*: data pro quinque octo millia militum, pars dimidia cives pars socii. Et ipse aliquantum voluntariorum in itinere ex agris concivit ac prope duplicato exercitu in Lucanos pervenit, ubi Hannibal nequiquam secutus Claudium substiterat. Haud dubia res est, quippe inter Hannibalem ducem et centurionem, exercitusque alterum vincendo veteranum, alterum novum totum, magna ex parte etiam tumultuarium ac semermem. Ut conspecta inter se agmina sunt et neutra pars detractavit pugnam, extemplo instructae acies. Pugnatum tamen, ut in nulla pari re, duas amplius horas, concitata et, donec dux stetit, invicta Romana acie. Postquam is non pro vetere fama

solum sed etiam metu futuri dedecoris, si sua temeritate contractae cladi superesset, obiectans se hostium telis cecidit, fusa extemplo est Romana acies. Sed adeo ne fugae quidem iter patuit omnibus viis ab equite insessis, ut ex tanta multitudine vix mille evaserint, ceteri passim alii alia peste absumpti sint.—LIVY.

Parse the words in italics, and account for mood and tense in the three last.

2. Translate into English :—

(a) Non ergo erunt homines deliciis diffuentes audiendi, si quando de amicitia, quam nec usu nec ratione habent cognitam, disputabunt. Nam quis est, pro deum fidem atque hominum! qui velit, ut neque diligat quemquam, nec ipse ab ullo diligatur, circumfluere omnibus copiis atque in omnium rerum abundantia vivere? Haec est enim tyrannorum vita, in qua nimirum nulla fides, nulla caritas, nulla stabilis benevolentiae potest esse fiducia; omnia semper suspecta atque sollicita, nullus locus amicitiae. Quis enim aut eum diligat, quem metuat, aut eum, a quo se metui putet? Coluntur tamen simulatione dumtaxat ad tempus. Quod si forte, ut fit plerumque, ceciderint, tum intellegitur, quam fuerint inopes amicorum. Quod Tarquinius dixisse ferunt, tum exsulantem se intellexisse, quos fidos amicos habuisset, quos infidos, quom iam neutris gratiam referre posset.—CICERO.

(b) Nec nunc equidem vires desidero adolescentis, (is enim erat locus alter de vitiis senectutis,) non plus, quam adulescens tauri aut elephanti desiderabam. Quod est, eo decet uti et, quidquid agas, agere pro viribus. Quae enim vox potest esse contemptior, quam Milonis Crotoniatae? qui, quom iam senex esset athlethasque se exercentes in curriculo videret, aspexisse lacertos suos dicitur illacrimansque dixisse: 'Athi quidem iam mortui sunt.' Non vero tam isti, quam tu ipse, nugator. Neque enim ex te umquam es nobilitatus, sed ex lateribus et lacertis tuis. Nihil S. Ælius tale, nihil multis annis ante Ti. Coruncanus, nihil modo P. Crassus; a quibus iura civibus praescribebantur, quorum usque ad extremum spiritum est provecta prudentia. Orator, metuo, ne languescat senectute: est enim munus

eius non ingenii solum, sed laterum etiam et virium. Omnino canorum illud in voce splendescit etiam, nescio quo pacto, in senectute: quod equidem adhuc non amisi, et videtis annos. Sed tamen decorus est sermo senis, quietus et remissus; facitque persaepe ipsa sibi audientiam disertis senis composita et mitis oratio. Quod si ipse exsequi nequeas, possis tamen Scipioni praecipere et Laelio. Quid enim iucundius senectute stipata studiis iuventutis?—*Ibid.*

3. Translate and explain:—

(a) Iam pauca aratro iugera regiae
 Moles relinquet, undique latius
 Extenta visentur Lucrino
 Stagna lacu, platanusque caelebs

Evincet ulmos; tum violaria et
 Myrtus et omnis copia narium
 Spargent olivetis odorem,
 Fertilibus domino priori;

Tum spissa ramis laurea fervidos
 Excludet ictus. Non ita Romuli
 Praescriptum et intonsi Catonis
 Auspiciis veterumque norma.

Privatus illis census erat brevis,
 Commune magnum: nulla decempedis
 Metata privatis opacam
 Porticus excipiebat Arcton.

Nec fortuitum spernere caespitem
 Leges sinebant, oppida publico
 Sumptu iubentes et deorum
 Tempa novo decorare saxo.

HORACE, *Carmina.*

(b) Nos numerus sumus et fruges consumere nati,
 Sponsi Penelopae nebulones Alcinoique
 In cute curanda plus aequo operata iuventus,
 Cui pulchrum fuit in medios dormire dies et
 Ad strepitum citharae cessantem ducere somnum.

Id., *Epist.*

- (c) Si res sola potest facere et servare beatum,
Hoc primus repetas opus, hoc postremus omittas.
Si fortunatum species et gratia praestat,
Mercesur servum, qui dictet nomina, laevum
Qui fodicet latus et cogat trans pondera dextram
Porrigere : ' hic multum in Fabia valet, ille Velina ;
Cui libet hic fascas dabit, eripietque curule
Cui volet inportunus ebur.' ' Frater ' ' pater ' adde ;
Ut cuiquest aetas, ita quemque facetus adopta.

Ibid

- (d) ' Nec furtum feci nec fugi,' si mihi dicat
Servos : ' habes pretium, loris non ureris,' aio.
' Non hominem occidi.' ' Non pasces in cruce
corvos.'
' Sum bonus et frugi.' Renuit negitatque Sabellus.
Cautus enim metuit foveam lupus accipiterque
Suspectos laqueos et opertum miluos hamum.
Oderunt peccare boni virtutis amore :
Tu nihil admittes in te formidine poenae :
Sit spes fallendi, miscebis sacra profanis.
Nam de mille fabae modiis cum surripis unum,
Damnumst, non facinus, mihi pacto lenius isto.

Ibid.

4. Translate into English :—

Est specus ingens
Exesi latere in montis, quo plurima vento
Cogitur inque sinus scindit sese unda reductos,
Deprensus olim statio tutissima nautis ;
Intus se vasti Proteus tegit obice saxi.
Hic iuvenem in latebris aversum a lumine nympha
Collocat : ipsa procul nebulis obscura resistit.
Iam rapidus torrens sitientis Sirius Indos
Ardebat caelo, et medium sol igneus orbem
Hauserat ; arebant herbae, et cava flumina siccis
Faucibus ad limum radii tepefacta coquebant :
Cum Proteus consueta petens e fluctibus antra
Ibat ; eum vasti circum gens umida ponti
Exsultans rorem late dispergit amarum.

VERGIL, *Georgic* iv.

LATIN.

SECOND PAPER.

Examiner—PROFESSOR EXON.

1. Translate into Latin :—

Having decided to march on Tarentum, he picked out ten thousand infantry and cavalry whose nimbleness of frame and lightness of accoutrements specially fitted them, as he thought, for the expedition, and then moved his camp. About eight hundred Numidian troopers were sent on in advance, with orders to scour the neighbouring roads, and examine every point, that none of the rustic population might observe unseen the march of his army. All who were in front of them were to be forcibly brought back; all whom they met were to be cut down, that to the inhabitants of the district they might have the appearance of a marauding band rather than of a military force. Hannibal himself, making a forced march, encamped about fifteen miles from Tarentum.

2. Translate into English :—

(a) Quoniam autem vivitur non cum perfectis hominibus planeque sapientibus, sed cum iis, in quibus praeclare agitur, si sunt simulacra virtutis, etiam hoc intellegendum puto, neminem omnino esse neglegendum in quo aliqua significatio virtutis appareat, colendum autem esse ita quemque maxime, ut quisque maxime virtutibus his lenioribus erit ornatus, modestia, temperantia, hac ipsa, de qua multa iam dicta sunt, iustitia. Nam fortis animus et magnus in homine non perfecto nec sapienti ferventior plerumque est: illae virtutes bonum virum videntur potius attingere.—CICERO, *De Officiis*.

(b) Caesar, ut Brundisium venit, contionatus apud milites, quoniam prope ad finem laborum ac periculorum esset perventum, aequo animo mancipia atque impedimenta in Italia relinquerent; ipsi expediti naves conscenderent, quo maior numerus militum posset imponi, omniaque ex victoria et ex sua liberalitate sperarent: conclamantibus omnibus, imperaret quod vellet, quodcunque imperavisset, se aequo animo esse facturos, pridie Nonas Ianuarias naves solvit, impositis, ut

supra demonstratum est, legionibus septem. Postridie terram attingit Cerauniorum. Saxa inter et alia loca periculosa quietam nactus stationem, et portus omnes timens, quod teneri ab adversariis arbitrabatur, ad eum locum, qui appellatur Pharsalia, omnibus navibus ad unam incolumibus, milites exposuit.—CAESAR, *Bell. Civ.*

- (c) Puerorum in turba quidam ludentem Atticus
 Aesopum nucibus cum vidisset, restitit
 Et quasi delirum risit. Quod sensit simul
 Derisor potius quam deridendus senex,
 Arcum retensum posuit in media via.
 ‘Heus! inquit, sapiens, expedi, quid fecerim.’
 Concurrit populus. Ille se torquet diu
 Nec quaestionis positae causam intellegit.
 Novissime succumbit. Tum Victor sophus:
 ‘Cito rumpes arcum, semper si tensum habueris;
 At si laxaris, cum voles erit utilis.’
 Sic lusus animo debent aliquando dari,
 Ad cogitandum melior ut redeat tibi.

PHAEDRUS, *Fabulae.*

3. (a) Give the principal parts of—*sarcio, fodio, capesso, sperno, mordeo, meto, diligo, colligo.*

(b) Express the following sentences in Latin:—

We do not know who has done this.

I am not the man to do that.

He wrote me word that he would come to me.

He wrote me word not to come to him.

He promised to persuade his friend to return.

If that had happened to me, I should have rejoiced.

Would that you were here!

He asked the numbers of the enemy, and their purpose in leaving their homes.

(c) Mark the quantity of the *last* syllable in—*amare, mone, bene, longe, die, regis, regis, audis, nolis, filiis.*

(d) Explain, with illustrations, the following technical terms:—*anapaest, pyrrhic, trochee, dactyl, caesura, arsis, thesis.*

(e) What is meant by—*anacolouthon, apodosis, asyndeton, anaphora, protasis, zeugma, chiasmus?*

GREEK (I).

Examiner—PROFESSOR M^cELDERRY.

1. Translate into Greek prose :—

The only office of state which I ever held, men of Athens, was that of senator : the tribe Antiochis, which is my tribe, had the presidency at the trial of the generals who had not taken up the bodies of the slain after the battle of Arginusæ ; and you proposed to try them in a body, contrary to law, as you all thought afterwards ; but at the time I was the only one of the Prytanes who was opposed to the illegality, and I gave my vote against you ; and when the orators threatened to impeach and arrest me, and you called and shouted, I made up my mind that I would run the risk, having law and justice with me, rather than take part in your injustice because I feared imprisonment or death.—Jowett's *Plato*.

2. For unseen translation :—

(a) Euripides, *Hecuba*, 1–20.(b) Demosthenes *de rebus Chersonesi*, 21–23, βούλομαι—τί λέγω.

3. (a) Give the principal parts of ἀλίσκομαι, βλώσσω, ἀκούω, ἄγω, ἴημι, οἶδα.

(b) Distinguish the meaning of διά, κατά, παρά, according to the cases they govern.

(c) When is the dative of the agent regular? Give examples.

GREEK (II).

PROFESSOR M^cELDERRY.

1. (a) Translate Homer, Od. ix. 447–460, κριεῖ—Οὔτις. Scan the first two lines of this extract.

(b) Translate *id.* Od. x. 80–86—'Εξήμαρ—κέλευθαι. How would you explain these lines?

Annotate—πέτρη ἠλίβατος : νέας ἀμφιελίσσας : ἀλὸς ἀτρυγέτιο : ἀργειφόντης.

2. Translate Euripides, *Alcestis* 773–786 οὗτος—τέχνη.
Scan the first two lines.

3. (a) Translate Xenophon, *Hellenika* i. 4, 13–14 καταπλέοντος—τῆς πατρίδος. Write historical notes upon this passage.

(b) Translate *ib.* ii. 3, 19—ὁ δ' αὖ Ἰθρ.—κατασκευαζόμενος. Explain the syntax of the clauses—ὥσπερ . . . γενέσθαι.

4. (a) Translate Plato, *Apol.* c. 33, p. 41 e–42 a—τοσονδε—τῷ θεῷ. Write notes upon—ἀναπλῆσαι αἰτιῶν: ἡ θόλος: ἀπάγειν: ἐν τῇ Ἀριστοφάνους κωμῳδίᾳ Σωκράτη τινὰ ἐκεῖ περιφερόμενον . . .

(b) Translate *id.* *Krito* c. 10, p. 49 a–b Οὐδενὶ τρόπῳ—ἢ οὐ.

5. (a) Give a brief account of the operations at Sphakteria.

(b) What do you know of the organisation of the Athenian Empire?

(c) Summarise the causes of the Peloponnesian War.

(Dates should be given where possible).

FRENCH.

Examiner—PROFESSOR STEINBERGER.

I.—COMPOSITION.

Translate into French:—

(a) (1) He has lost all the money he had; (2) the town in which we live has only five thousand inhabitants; (3) I wish you would not talk so loud; (4) when I saw him last, he did not look at all well.

(b) ‘What should I do?’ said he, in a quiet way, after a moment’s reflection. ‘Really I am not sure; it seems to me that you should tell me what you wish me to do.’ ‘What!’ cried his mother-in-law; ‘you are a man, and you do not know how to answer such a question? I tell you of an unpardonable insult; of a question of life and death, and you ask me what is to be done. You cannot mean it, or rather you cannot have understood me.’ ‘Perhaps not,’ said he, with the greatest coolness. ‘If you

would speak a little more clearly, perhaps I should be able to understand you. We Bretons are capital fellows, as you were kind enough just now to remark ; but we are accused of having rather thick heads, and in this respect I am strictly true to my country.'

II.—GRAMMAR.

1. Write the following in the corresponding singular forms :—

- (a) Ne soyez pas jaloux.
- (b) Les cieux sont nuageux.
- (c) Tous les domestiques sont partis.
- (d) Ce sont mes auteurs favoris.

2. Give the feminine corresponding to—

- (a) Ils sont partis sans rien dire.
- (b) C'est un bon serviteur que Jean (Jeanne).
- (c) Il est fou de se démener ainsi.
- (d) Allez sans eux.

3. Give the French for—

- (a) I saw him enter the room and take the book from the table.
- (b) I will write to you as soon as I am back.
- (c) This milk is better than you think.
- (d) I never suspected anything.
- (e) What does it matter if he does come ?
- (f) Six hundred people lost their lives in the wreck of the Birkenhead.

4. Translate into French :—

- (a) He had said to himself. She had said to herself.
He has hurt (*blessed*) himself. She has hurt herself.
- (b) He has told us all that he knows.
- (c) He spoke quite low, but she spoke very loud.
- (d) He is going to leave London to-morrow.
- (e) My friend is to arrive to-morrow.

5. Distinguish between--

- (a) Un brave homme *and* un homme brave ; de méchants vers *and* des vers méchants.
- (b) Ecrire de sa propre main *and* il a les mains propres.
- (c) Le poêle *and* la poêle.
- (d) Le manche *and* la manche.

6. How do you account for the use of the dative *lui* and the accusative *le* respectively in these sentences?—

- (1) Il faut *lui* faire tout avouer.
Faites-*lui* boire un verre de vin.
- (2) On *le* fit lire toute la soirée
Tâchez de *le* faire consentir à ce projet.

III.

Oral Examination on the authors prescribed.

Reading.

GERMAN.

FIRST YEAR.

Examiner—PROFESSOR STEINBERGER.

I.

Translate into German :—

- (a) (1) This is my hat ; that is yours.
- (2) He offered (anbieten) him all he had.
- (3) I have not seen or heard of him for years.
- (4) He arrived last night by the ten o'clock train.
- (5) He said he could not come to-day, because he did not feel quite well.

(b) As we went out one day, Ann and myself, we met a girl about eight years of age. She looked pale, and was very poor. She told us that her name was Jane, and that she lived in the small hut near the forest. We asked her why she was so poor, and why her father did not work to

get her food. Tears came into her eyes, and she said that her father had been ill for some time and was now dead, and that her mother was too weak to work. She had not eaten anything all the day, because there was no food in the house. Ann wept when she heard all this; and we took her home to our mother. Mother was very kind to poor Jane, and went with her and took care of her mother. We were very glad that we had met her; and we were glad to help her.

II.

1. Give the first person plural of the perfect indicative of—halten, tun, fortgehen, einschlafen, widerstehen.

2. Give the German for:—

We are waiting for you. They laughed about his words. I was longing for his return. The people elected the prince for their king. King William appointed his son commander of the army.

3. What do you know about the translation of 'but' Give instances.

4. (a) Derive transitive verbs from the following intransitive verbs by change of vowel. Add their meaning:—fallen, sinken, trinken, verschwinden, sitzen.

(b) Form one noun, with definite article and meaning, from each of the following verbs:—fliehen, ankommen, vergehen, dichten, fliegen.

5. Turn into English—Das läßt sich denken. Schläge dir dieß aus dem Sinn. Wir nehmen es nicht so genau. Ich dachte, wir brähen auf.

6. Turn into German—He ought to have gone home as he was told. We had him informed. Could you not call on me this afternoon? We travelled through the whole of Normandy.

III.

Oral examination on the authors prescribed.

Reading.

CELTIC.

Examiner—JOSEPH O'NEILL, M.A.

1. Translate into English, parsing the underlined words :—

'Innir dúinn a Conán' ar Ḵoll, 'Cionnur do éainig tú éum an aéaiḴ.' 'Aéa,' ar Conán, an uair d' iméig an pí agur na gairḴiḴiḴ do Ḵar n-ionnraige go cairleán deirbhreátrae lomnoctáin, do Ḵlac uamán agur Ḵgannrao mór mé roim an Ḵaillig, oir do tuigeao dam nár óion aon áit 'ran ḴioḴaet dam. Annpain d' iarrar ar oir taoisea teaḴlaiḴ an ḴioḴ teaet dom' éoin deacet gur an luinḴ mar do bí an oiḴe ann agur d' innpear óirb go raeáinn go h-éirinn agur ag Ḵabáil trío an Ḵraitee dam éonnaire mé deirbhíur lomnoctáin ar an Ḵraitee agur do Ḵlac eagla mé roimpi agur do riear éum riubail tar maoilinn enoc agur Ḵleann agur an éaillea ag rié im óiaio agur do tuigei dam Ḵaé tráe go mbeinn ar láim aici 7 Ḵaé aon liú dearḴ im óiaio aici ag búirpeao agur ag Ḵlaóao orm.

2. 'Aéaio go maie, a n-éinionao,' ar riaó, 'a ó-tiḴ Ḵur n-aetar-ra a Sioe Ḵionneao agur Tuaeta De Danaan mar aon riú ann ag caiteam na Ḵleide oipe go Ḵubaé roimeanmnae, Ḵan imḴníom Ḵan anḴoepraet aet Ḵur mbeite-ri na ḴreaḴmar; agur Ḵan a Ḵior aca cá ar Ḵababair uaeta o'n ló a d' ḴáḴabair loé Ḵair-Ḵrae.' 'Noeá i rim ar mbeata-ne pe na h-innirin,' ar ḴionnḴuala, 'oir ir mór d' ole agur d' eaoḴulainḴ agur d' anḴo Ḵuaramar raeónón na mapa ro Ḵroeta na Maiole go ó-trápta agur aoḴbairt an laio :—

Aoibinn anoet teaḴlae lip,
lomó a mioó agur a Ḵrion;
Ḵio tá anoet a n-áóbaó Ḵuar
Óream do éuan roḴlan an ḴioḴ.

Translate the above into English. What do you know about the Tuaet De Danaan? Where was Sput na Maiole situated?

3. Translate into English, with notes on the underlined words :—

- (a) An tír-re in-ap' éánḡair péin
 Ní ðeilpeað a pceula opc ḡan ḡó—
 Ir paða, buan, a beidbear do ḡaoḡal
 Ar beid tú péin a ðoiðéé óḡ.
- (b) Níl laoc̄ anoir ap bié le páḡail,
Ó'a éréine cáil ap pua an t-ḡaoḡail
 Óo bearpað comrac lám ap láim
 Óo'n pátaé dána ro—mo leun.
- (c) Nír bpaða ðam aḡur nír éian
 ḡo bpacap aniar aḡ teaét pá'm ééin
 Maḡérluaḡ mór ioir péara 'ḡur mna
 'S do éánḡabar am' láḡair péin.

4. Write a short note on the author of *Laoi Oirín ap Tír na n-óḡ*. Do you know any other name by which the pagan Heaven of the Gaels was known?

5. Translate into Irish :—

(a) Here is another very simple song, the work, no doubt, of some peasant, in which the poor man expresses his grief with real melancholy. It is evident from the song that he went to Dublin to seek his fortune, and that the change killed him. He was dying when he composed this piece. Perhaps it was a comrade of his who brought it home with him to Connacht. The air is simple and very sweet, as is usual with the airs of these songs.

(b) Not a penny of the profits of Limerick, Cork, or Waterford went to the English king. In all those cities Desmond had followers. His people were well fed with fish, beef, and wine; wine in fact was sold in Youghal at fourpence a gallon. Twenty thousand of his men flocked across the Irish Channel to Milford Haven. Tenby was almost entirely Irish.

6. 'When the verb *to be* is in English followed by an indefinite noun, either *is* or *are* may be used in the Irish sentence, but with very different meanings.' Explain fully with examples.

7. 'Every superlative sentence in Irish is a relative sentence.' Discuss this statement.

ENGLISH.

Examiner—PROFESSOR TRENCH.

1. Analyse the following sentence and parse the words in it:—

It may be we shall touch the Happy Isles,
And see the great Achilles whom we knew.

2. Explain, with the help of some examples, the value of 'figures of speech.'

3. What were Wordsworth's views with regard to the influence of natural objects and surroundings upon the mind? In support of your answer give references to passages in *The Excursion*.

4. Write a short Essay comparing Steele's career and fame with Addison's.

5. Write an Essay comparing the character of Richard II. with that of Bolingbroke.

SCIENCE SCHOLARSHIPS OF THE FIRST YEAR.

[Arts, Medicine, and Engineering.]

MATHEMATICS (1).

PROFESSOR BROMWICH.

1. In a motor-car prosecution, it was stated that the car passed over a measured quarter-mile at the rate of 25 miles 1257 yards per hour. Find the time taken by the car to traverse the distance.

If the observed time may have been a second out (either way), prove that the true speed could not have been fixed within $\frac{3}{4}$ mile per hour.

2. If $x = a^5 + 10a^3n + 5an^2$, $y = 5a^4 + 10a^2n + n^2$, verify that $x^2 - ny^2$ is a perfect fifth power.

Examine the numerical form of your result, if $a = 2$, and $n = 5$.

3. Resolve into factors

$$(i) (a + b + c)(bc + ca + ab) - abc,$$

$$(ii) (bcd + cda + dab + abc)^2 - abcd(a + b + c + d)^2.$$

Prove that

$$a^3 + b^3 + c^3 + 3(b + c)(c + a)(a + b) = (a + b + c)^3.$$

4. If α, β are the roots of the equation

$$\frac{p}{x + l} + \frac{q}{x + m} = 1,$$

express p and q in terms of α, β, l, m ; and prove that

$$p \frac{\alpha + m}{\alpha + l} + q \frac{\alpha + l}{\alpha + m} = \alpha - \beta.$$

5. Solve the equation for x

$$\sqrt{x+a} + \sqrt{x-a} = 2b.$$

Find the two sets of values of λ , a , p for which the equation

$$x^2 - 4x - 8 + \lambda(x^2 - 2x - 5) = a(x-p)^2$$

is an identity in x .

6. If
$$\frac{x}{a} + \frac{y}{b} = 1, \quad \frac{x^2}{a} + \frac{y^2}{b} = \frac{ab}{a+b},$$

find x , y ; and prove that

$$\frac{x^{n+1}}{a} + \frac{y^{n+1}}{b} = \left(\frac{ab}{a+b}\right)^n.$$

Solve for x , y , z the equations

$$x - ay + a^2z - a^3 = 0,$$

$$x - by + b^2z - b^3 = 0,$$

$$x - cy + c^2z - c^3 = 0.$$

7. Prove that, if a , b , c , d are positive numbers in H. P.,

$$a + d > b + c.$$

If p , q , r are in G. P., find x , so that $x + p$, $x + q$, $x + r$ may be in H. P.

8. What is the number of arrangements of the letters in the word *given*? In how many of these are the two vowels separated?

9. The diagonal of a rectangle is 65 feet, and the difference of the two sides is 23 feet: find the sides and the area.

10. Write out the first five terms in the expanded form of $(1+x)^{15}$; and deduce, or calculate in any way, $(1.03)^{15}$ to three decimal places.

Find the present value of £1000, due 15 years hence, at 3 per cent. compound interest.

MATHEMATICS (2).

PROFESSOR BROMWICH.

1. Two circles meet in A, B , and P is a point on the first circle; PA, PB are joined to cut the second circle in Q, R : prove that the length of QR is the same for all positions of P on its circle.

2. Prove that the radical axes of three circles, taken in pairs, meet in a point.

Draw a circle through two given points to touch a given circle.

3. Inscribe a triangle in a given triangle, so that the sides of the triangle may be parallel to three given straight lines.

4. $ABCD$ is a parallelogram; any line through A cuts the diagonal BD in D , BC in F , and DC in G : prove that EA is a mean proportional between EF and EG . Test this by drawing and measurement.

5. In the hexagon $ABCDEF$, the opposite sides are parallel (but not equal), AB to DE , BC to EF , and CD to FA : prove that if the diagonals AD and BE are parallel to BC and CD , respectively, then the third diagonal, CF , is parallel to DE , and

$$AB : DE = CD : FA = EF : BC.$$

6. Draw a triangle DBC , given that

$$DB = 4 \text{ ins.}, \quad BC = 3\frac{1}{2} \text{ ins.}, \quad D = 45^\circ.$$

Hence or otherwise construct a right-angled triangle with a hypotenuse of $3\frac{1}{2}$ inches, so that the sum of the other two sides may be 4 inches.

7. If $\sin(\alpha - \theta) = p \sin \theta$ and $\sin(\alpha - \phi) = q \sin \phi$, prove that

$$\tan(\phi - \theta) = \frac{(p - q) \sin \alpha}{1 + (p + q) \cos \alpha + pq}.$$

8. Prove that

$$16 \sin^2 \theta \cos^3 \theta = 2 \cos \theta - \cos 5\theta - \cos 3\theta.$$

9. Solve the triangle ABC , given

$$a = 12, \quad b = 15, \quad c = 20.$$

10. Taking Galway as 126 miles west of Dublin, and Cork as 165 miles south-west of Dublin, find the distance between Cork and Galway to the nearest mile. Check your result by drawing.

11. Given the base a and the sum of the sides $(b + c)$ in a triangle, prove that the product $p \cot \frac{1}{2}A$ is given, where p is the perpendicular from A on the base. Verify your formula from the figure of question 6.

LITERARY SCHOLARSHIPS OF THE SECOND YEAR.

LATIN.

FIRST PAPER.

[Translations should be both idiomatic and accurate.
Short explanatory notes may be added where necessary.]

Translate the following passages, and answer the questions attached:—

1. Sic pater Anchises, atque haec mirantibus addit :
‘Aspice, ut insignis spoliis Marcellus opimis
Ingreditur victorque viros super eminent omnis.
Hic rem Romanam magno turbante tumultu
Sistet, eques sternet Poenos Gallumque rebellem,
Tertiaque arma patri suspendet capta Quirino.’

Atque hic Aeneas (una namque ire videbat
 Egregium forma iuvenem et fulgentibus armis,
 Sed frons laeta parum et deiecto lumina voltu)
 ' Quis, pater, ille, virum qui sic comitatur euntem ?
 Filius ane Aliquis magna de stirpe nepotum ?
 Qui strepitus circa comitum ! quantum instar in ipso !
 Sed nox atra caput tristi circumvolat umbra.'
 Tum pater Anchises lacrimis ingressus obortis
 ' O gnate, ingentem luctum ne quaere tuorum.
 Ostendent terris hunc tantum fata neque ultra
 Esse sinent. Nimum vobis Romana propago
 Visa potens, superi, propria haec si dona fuissent'

VERGIL, *Aen.*

Write notes on (a) the Marcellus family, (b) *aureus ramus*, (c) 'sunt geminae Somni portae.'

2. Ibat et Hippolyti proles pulcherrima bello,
 Virbius, insignem quem mater Aricia misit,
 Eductum Egeriae lucis umentia circum
 Litora, pinguis ubi et placabilis ara Dianae.
 Namque ferunt fama Hippolytum, postquam arte
 novercae
 Occiderit patriasque explerit sanguine poenas
 Turbatus distractus equis, ad sidera rursus
 Aetheria et superas caeli venisse sub auras,
 Paeoniis revocatum herbis et amore Dianae.
 Tum pater omnipotens, aliquem indignatus ab umbris
 Mortalem infernis ad lumina surgere vitae,
 Ipse repertorem medicinae talis et artis
 Fulmine Phoebigenam Stygias detrusit ad undas.
 At Trivia Hippolytum secretis alma recondit
 Sedibus et nymphae Egeriae nemorique relegat,
 Solus ubi in silvis Italis ignobilis aevom
 Exigeret versoque ubi nomine Virbius esset.

VERGIL, *Aen.*

Give the meaning and quantity of : *bucina*, *torris*, *uectis aruina*, *ocrea*, *galerus*, *pero*, *suber*, *dolo* (nom.), *tessera*.

3. Fallor, an hi fient ingentia moenia colles,
Iuraque ab hac terra cetera terra petet ?
Montibus his olim totus promittitur orbis.
Quis tantum fati credat habere locum ?
Et iam Dardaniae tangent haec litora pinus.
Hic quoque causa novi femina martis erit.
Care nepos, Palla, funesta quid induis arma ?
Indue ! non humili vindice caesus eris.
Victa tamen vinces, eversaue Troia resurges :
Obruit hostiles ista ruina domos.
Urite victrices Neptunia Pergama flammae !
Num minus hic toto est altior orbe cinis ?
Iam pius Aeneas sacra et, sacra altera, patrem
Adferet : Iliacos accipe, Vesta, deos.
Tempus erit, cum vos orbemque tuebitur idem,
Et fient ipso sacra colente deo :
Et penes Augustos patriae tutela manebit.
Hanc fas imperii frena tenere domum.
Inde nepos natusque dei, licet ipse recuset,
Pondera caelesti mente paterna feret.
Utque ego perpetuis olim sacrabor in aris,
Sic Augusta novum Iulia numen erit.'

OVID, *Fasti*.

Explain this passage.

Write notes on *dies festi*, *dies fasti*, *dies postriduan*i.

4. Vix prior tumultus conticuerat, cum Scipio ab defessis iam vulneratisque recentes integrosque alios accipere scalas iubet et vi maiore adgredi urbem. Ipse, ut ei nuntiatum est aestum decedere, quod per piscatores Tarraconenses nunc levibus cumbis nunc, ubi eae siderent, vadis pervagatos stagnum compertum habebat, facilem pedibus ad murum transitum dari, eo secum armatos duxit. Medium ferme diei erat, et ad id, quod sua sponte cedente in mare aestu trahebatur aqua, acer etiam septemtrio ortus inclinatum stagnum eodem quo aestus ferebat et adeo nudaverat vada, ut alibi umbilico tenus aqua esset, alibi genua vix superaret. Hoc cura ac ratione compertum in prodigium ac deos vertens Scipio, qui ad transitum

Romanis mare verterent et stagna auferrent viasque ante numquam initas humano vestigio aperirent, Neptunum iubebat ducem itineris sequi ac medio stagno evadere ad moenia.—LIVY.

5. Captus et apparatus ingens belli : catapultae maximae formae centum viginti, minores ducentae octoginta una : balistae maiores viginti tres, minores quinquaginta duae : scorpionum maiorum minorumque et armorum telorumque ingens numerus : signa militaria septuaginta quattuor. Et auri argentique relata ad imperatorem magna vis : paterae aureae fuerunt ducentae septuaginta sex, librae ferme omnes pondo : argenti facti signatique decem et octo millia et trecenta pondo, vasorum argenteorum magnus numerus : haec omnia G. Flaminio quaestori adpensa adnumerataque sunt. Tritici quadringenta millia modium, hordei ducenta septuaginta. Ac naves onerariae sexaginta tres in portu expugnatae captaeque, quaedam cum suis oneribus, frumento, armis, aere praeterea ferroque et linteis et sparto et navali alia materia ad classem aedificandam ; ut minimum omnium inter tantas opes belli captas Carthago ipsa fuerit.—LIVY.

6. Veniebatis igitur in Africam provinciam, unam ex omnibus huic victoriae maxime infestam, in qua erat rex potentissimus, inimicus huic caussae, aliena voluntas, conventus firmi atque magni. Quaero, quid facturi fuistis ? quamquam, quid facturi fueritis dubitem, quom videam quid feceritis. Prohibiti estis in provincia vestra pedem ponere, et prohibiti, ut perhibetis, summa cum iniuria. Quomodo id tulistis ? acceptae iniuriae querelam ad quem detulistis ? Nempe ad eum, cuius auctoritatem secuti in societatem belli veneratis. Quod si Caesaris caussa in provinciam veniebatis, ad eum profecto exclusi provincia venissetis. Venistis ad Pompeium. Quae est ergo haec apud Caesarem querella, quom eum accusetis, a quo queramini vos prohibitos contra Caesarem bellum gerere ? Atque in hoc quidem, vel cum mendacio, si velitis, gloriemini per me licet, vos provinciam fuisse Caesari tradituros. Etiamsi a Varo et a quibusdam aliis prohibiti estis, ego tamen confitebor culpam esse Ligari, qui vos tantae laudis occasione privaverit.—CICERO, *Pro Ligario*.

7. Reliqua pars accusationis duplex fuit: una, regem semper in speculis fuisse, quom a te animo esset alieno: altera, exercitum eum contra te magnum comparasse. De exercitu dicam breviter, ut cetera. Numquam eas copias rex Deiotarus habuit, quibus inferre bellum populo Romano posset; sed quibus fines suos ab excursionibus hostium et latrociniiis tueretur et imperatoribus nostris auxilia mitteret. Atque antea quidem maiores copias alere poterat: nunc exiguas vix tueri potest. At misit ad Caecilium, nescio quem: sed eos, quos misit, quod ire noluerunt, in vincula coniecit. Non quaero, quam verisimile sit, aut non habuisse regem, quos mitteret, aut eos, quos misisset, non paruisse; aut, qui dicto audientes in tanta re non fuissent, eos vinctos potius quam necatos fuisse. Sed tamen, quom ad Caecilium mittebat, utrum caussam illam victam esse nesciebat, an Caecilium istum magnum hominem putabat? quem profecto is, qui optime nostros homines novit, vel quia non nosset, vel si nosset, contemneret.—CICERO, *Pro Rege Deiotaro*.

Give a short account of the condition of Galatia at the time of this speech, with an outline of its earlier history.

LATIN.

SECOND PAPER.

Examiner—PROFESSOR EXON.

1. Translate into Latin:—

One would naturally have expected, after all the fatigues and dangers through which Caesar had made his way to empire, that he would have chosen to spend the remainder of a declining life in the quiet enjoyment of all the honours and pleasures which absolute power and a command of the world could bestow; but in the midst of all his glory he was a stranger still to ease: he saw the people generally disaffected to him and impatient under his government; and, though amused awhile with the splendour of his shows and triumphs, yet regretting severely in cold blood the price that they had

paid for them—the loss of their liberty, with the lives of the best and noblest of their fellow-citizens. This expedition, therefore, against the Parthians seems to have been a political pretext for removing himself from the murmurs of the city, and leaving to his ministers the exercise of an invidious power, and the task of taming the spirits of the populace; whilst he, by employing himself in gathering fresh laurels in the East, and extending the bounds and retrieving the honour of the empire against its most dreaded enemy, might gradually reconcile them to a reign that was gentle and clement at home, successful and glorious abroad.—MIDDLETON, *Life of Cicero*.

2. Translate into English :—

(a) Quid? bello Punico secundo nonne C. Flaminius, consul iterum, neglexit signa rerum futurarum magna cum clade reipublicae? Qui exercitu lustrato, quom Arretium versus castra movisset et contra Hannibalem legiones duceret, et ipse et equos eius ante signum Iovis Statoris sine causa repente concidit, nec eam rem habuit religioni, obiecto signo, ut peritis videbatur, ne committeret proelium. Idem quom tripudio auspicaretur, pullarius diem proeli committendi differebat. Tum Flaminius ex eo quaesivit, si ne postea quidem pulli pascerentur, quid faciendum censeret. Quom ille quiescendum respondisset, Flaminius: 'Praeclara vero auspicia, si esurientibus pullis res geri poterit, saturis nihil geretur.' Itaque signa convelli, et se sequi iussit. Quo tempore, quom signifer primi hastati signum non posset movere loco, nec quidquam proficeretur, plures quom accederent, Flaminius, re nuntiata, suo more neglexit. Itaque tribus horis concisus exercitus, atque ipse interfectus est.—CICERO.

(b) Nec tamen, haec quom sint hominumque boumque labores

Versando terram experti, nihil improbus anser
Strymoniaeque grues et amaris intiba fibris
Officiunt aut umbra nocet. Pater ipse colendi
Haud facilem esse viam voluit, primusque per artem
Movit agros curis acuens mortalia corda,
Nec torpere gravi passus sua regna veterno.
Ante Iovem nulli subigebant arva coloni;
Ne signare quidem aut partiri limite campum

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Fas erat : in medium quaerebant, ipsaque tellus
Omnia liberius nullo poscente ferebat.
Ille malum virus serpentibus addidit atris,
Praedarique lupos iussit pontumque moveri
Mellaque decussit foliis ignemque removit,
Et passim rivis currentia vina repressit,
Ut varias usus meditando extunderet artis
Paulatim, et sulcis frumenti quaereret herbam,
Ut silicis venis abstrusum excuderet ignem.
Tunc alnos primum fluvii sensere cavatas ;
Navita tum stellis numeros et nomina fecit,
Pleiadas, Hyadas, claramque Lycaonis Arcton ;
Tum laqueis captare feras et fallere visco
Inventum et magnos canibus circumdare saltus.

VERGIL, *Georgics*.

3. Explain the use of mood and tense in the following sentences :—

- (a) non is sum qui hoc *faciam*.
- (b) memoria minuitur nisi eam *exerceas*.
- (c) quod si aliter *essem* animatus, numquam quod *facerem* negarem.
- (d) carere hoc significat, egere eo quod habere *velis*.
- (e) quos . . . longa referre mora *est*.
- (f) ut enim omittam, cuius tanti sceleris *fuert* in conspectu deorum penatum necare hospitem, etc.
- (g) *oderint* dum *metuant*.
- (h) laudat Panaetium quod *fuert* abstinens.
- (i) ante discessit Antonius quam illum uenisse *audisset*.

4. (a) Formulate and illustrate Grimm's Law.

- (b) Give English cognates for the following: *duco*, *paucus*, *vidē*, *ueho*, *fagus*, *gena*, *canis*, *homo*, *bos*, *carpo*.
- (c) Derive and comment on the following words: *māla* ('jaw'), *coram*, *scala*, *assum*, *sestertius*, *copia*, *latum* (supine), *dignus*, *pando*, *solium*.

5. Write a short life of Ovid, and give a full list of his works.

FRENCH.

Examiner—PROFESSOR STEINBERGER.

I.—COMPOSITION.

Translate into French :—

(a) Eugénie de Guérin was born in 1805, at the Château of Le Cayla, in Languedoc. Her family, though reduced in circumstances, was noble; and even when a woman is a saint, she cannot quite forget that she comes of the stock of the Guarini of Italy, or that she counts among her ancestors a Bishop of Senlis, who had commanded the French at Bouvines. Le Cayla was a solitary place. One may pass days there without seeing any living thing but the sheep; without hearing any living thing but the birds. M. de Guérin, Eugénie's father, lost his wife when Eugénie was thirteen years old, and Maurice seven. He was left with four children—Eugénie, Marie, Erembert, and Maurice—of whom Eugénie was the eldest, and Maurice was the youngest. This youngest child, whose beauty and delicacy had made him the object of his mother's most anxious fondness, was commended by her, in dying, to the care of his sister, Eugénie.

Maurice, at eleven years old, went to school at Toulouse; then he went to the Collège Stanislas at Paris; then he became a member of the religious society which M. de Lamennais had formed at La Chênaie, in Brittany; afterwards he lived chiefly at Paris, returning to Le Cayla, at the age of twenty-nine, to die. Distance, in those days, was a great obstacle to frequent meetings of the separated members of a French family of narrow means.

(b) There were some soldiers in the house.

A wall twenty feet long.

You have no right to speak to her.

The man with the straw hat.

Were they going away?

I came here three years ago.

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What does it matter ?
I do not know whether he is hungry.
He could have told me.
When is he to come back ?

II.

Write, in French, a biographical sketch of Corneille (about twenty-five lines).

III.

Oral examination on the authors prescribed.

IV.

Reading.

GERMAN.

Examiner—PROFESSOR STEINBERGER.

I.

Translate into German :—

(a) Guise was at all times unfriendly to Condé ; and the day was at hand when he was to have still greater power. In July, 1559, Henry II died, and was succeeded by his eldest but youthful son Francis II, whose wife, the beautiful Mary of Scotland, was niece to Guise ; and as he and his brothers had had the chief direction of her education, the influence which her graces of mind and body gave her over her husband was in all public affairs exerted to promote their interests and to gratify their ambition or prejudices. Before the accession of Philip II to the Spanish throne, the animosities excited by the spread of the Reformation had not been so bitter in any other country as in France. They had given rise to the massacre of the Vaudois, the greatest stain on the memory of Francis I ; and in the last years of his reign the late king had commenced a persecution of the Huguenots, which seemed stimulated by personal feelings on his part, so violent was his demeanour on more than one occasion towards those of his court whom he suspected of heresy. He was aware that his own

family was not free from it. His aunt, Margaret, Queen of Navarre, had been a zealous promoter of the new doctrines.

- (b) The concert takes place to-day.
 He does not pronounce correctly.
 Are you in want of nothing?
 Art thou hungry (impersonally)?
 The sheep are shorn in May.
 Do you keep on terms of friendship with them?
 What has become of him?
 He has broken his neck.
 What are you thinking of?
 We are happiest when we are most contented.

II.

Contrast, in German, the character of the Pfarrer with that of Apotheker in 'Hermann und Dorothea' (about twenty lines).

III.

Oral Examination on the authors prescribed.

IV.

Reading and conversation.

 CELTIC.

Examiner—JOSEPH O'NEILL, M.A.

1. Translate into English:—

- (a) A Úna bán, a bláic na ndaoib ómra,
 A tá 'réir do báir de bárr droc-ómairle,
 Feac a ghrád cia aca b'fearr de'n dá ómairle
 A éin i g-cliaibán 'r mé i n-áic na donóige.

- (b) Naé lágac a dubairt páirte na ngeal-éíoc é
Ag párgaó a dá lámh 'r ag míniugaó a méar,
Ag cur rgaé ar an aóbar agur í i bpéin,
A'r, cnead epáíote air, buó láidir an rnaoirin é.
- (c) An g-cluin tú mé a giolla tá ag iappaió gpaó,
Fill abairle arír a'r fan bliadain eile mar táir,
Táinig mé irteaé i dteac a raib gpaó geal mo
croíde
a'r éur an éailleac amaé ar éapaó an t-ruzáin
mé.

2. Translate into English, parsing the underlined words:—

Agur mar do éonnaire brían é toḡbár iona lámh é
agur dob' áil leir a bpeicé leir cum an doruir. Do míuḡ
a gean gáire ar gaé bean de na mnáib ar páirrin an
gníoma rin; agur ir eaó a duépaóar:—

'Ir dána an níó pá dteugair lámh, óir dá mbeidír do
óiar deapbráctar ad' pócair an bean ir luḡa gníom
guile na gairge do'n epí éaocat ban atámaoid anro
ní léigfeáó an bioir leat na leo; gideáó beir leat bioir
do na bearaib, ó bí tú éom upránta agur com píreit
appaéctac rin, agur cuir cum a beirte d'ár n-aimdeóin
leat. Ceileáóbar brían dóib agur gluairpear roime
d'ionnruige an ionaid ar páḡ a long. Agur le linn na
h-uairé rin do imepaóar an óiar eile an t-anéoiré
éppang agur a réolta tóḡbáil no go bpaóóbar brían
éuca go h-appaéctac ar uaéctar na tuinne. Pá
luéḡáireac iad ma péirrin. Noéctar brían dóib go
bpuair pé an bioir.

3. Translate into English:—

Tuig, a léigéoir, go paóóar epí h-earbáóa ar
Stanyhurst pe rcpíóbaó rcaíre na h-éipeann, ar ná'r éóir
cion rcaíruide do éabairt air. Ar dteúr do bí pé ro-óḡ
ionnar naé paibe uain aige ar éuarpuḡaó do déanaim

ar feanúr na críche seo ar ar' gáb do láim rcpíobad. Ar dara h-earbaid, do bí ré ball ainéolaic i bteangaib na críche ina raibfe feanúr ašur fean-dála na tíre ašur gaé foinne d'ár áitiğ í; ašur mar rin níor b'feidur dó feanúr na fean-dála na h-Éireann do beic aige. An trear earbaid do bí ré uailmianaic, ašur d'a réir rin do bí fáil aige le meuduğad clú d' faghbáil ó'n dpoing le' d'riopad é le rcpíobad go h-ole ar Éirinn: ašur fóir, ne linn beic 'na fagaar d'a éir rin dó do geall gairm tar air do éanam maille ré rcpíbinn ar mórán de na neicib marlaigteaca ro rcpíob ar Éirinn ašur do éluim go bpuil ré i gcló anoir ne na éairbéanaic in Éirinn.

4. Translate into Irish:—

Beyond the Pale lay the regions of the Irish enemies, where there reigned more than sixty-four chief captains with other lesser captains, each region having its army of from four hundred to eight hundred trained men, besides the common folk; and thirty great captains of the Anglo-Irish who followed the Gaelic way of living. Ten English districts paid black-rent of £740 a year to the Irish. In the border territories the misery was great. War and famine had diminished the people till there were not enough left to inhabit a third part of their land. In the Irish country, however, the people maintained their old activity, their seamanship, and their traffic with Europe. The invaders complained that Irishmen 'called the English born in Ireland "English churls," but those born in England "Saxon churls," so that both are churls, and the Irishman the only gentleman.'

5. Form Irish sentences illustrative of the verbal construction used after *nó go*, *pub*, *cionnar*.

6. Give a short account of the wars between the O Briens, O Loughlins, and O Conors, which preceded the English invasion of Ireland and made it possible.

7. Discuss the position of the Danes in Ireland after Clontarf. What part did they take in resisting the Norman Conquest of Leinster?

ENGLISH.

Examiner—PROFESSOR TRENCH.

1. Discuss the relations of Macbeth and Lady Macbeth to each other throughout the course of the play; and their attitude towards the supernatural.

2. What are the qualities of Pope's satire? Does he appear in the prescribed poems to be animated by a genuine love of virtue?

3. In what cases, and why, would modern views of the value of Pope's poems—(a) coincide with, or (b) diverge from, Johnson's views?

4. What does Addison mean by *humourist, wit, Gothic*?

5. Is 'Age of Prose' a good name for our prescribed period of study, or for part of it?

And what does the term 'classical' mean, as applied to eighteenth-century writers?

Note.—No essay is required; and marks for style will instead be given on the general answering.

SCIENCE SCHOLARSHIPS OF THE SECOND YEAR.

M A T H E M A T I C S (1).

PROFESSOR BROMWICH.

1. If a is a proper fraction, and m, n are whole numbers, of which m is the greater, prove by induction that

$$(1 - a^m)/m < (1 - a^n)/n.$$

Deduce, or prove otherwise, that, if p is a proper fraction, $1 - a^p$ is greater than $p(1 - a)$.

2. Solve the equation

$$\begin{vmatrix} x, & 1, & 2 \\ 1, & x, & 2 \\ 2, & 2, & x + 3 \end{vmatrix} = 0,$$

given that it has a squared factor.

3. Express $a^3 + b^3 + c^3 + d^3$ in terms of the symmetric functions $p = \Sigma a$, $q = \Sigma ab$, $r = \Sigma abc$.

If $a^3 + b^3 + c^3 + d^3 = x^3 + y^3$, and $p = x + y$, prove that $(a - x)(b - x)(c - x)(d - x)$ is unaltered by changing x into y

4. Given that α, β are the two values of θ which satisfy

$$\frac{\cos \theta \cos \phi}{\cos^2 \gamma} + \frac{\sin \theta \sin \phi}{\sin^2 \gamma} + 1 = 0,$$

prove that

$$\frac{\cos \alpha \cos \beta}{\cos^2 \gamma} + \frac{\sin \alpha \sin \beta}{\sin^2 \gamma} + 1 = 0.$$

5. Given that in a triangle $2b = a + c$, prove that

$$2 \cot \frac{1}{2}B = 3 \tan \frac{1}{2}A + \cot \frac{1}{2}A, \quad \cot \frac{1}{2}C = 3 \tan \frac{1}{2}A.$$

Hence find B, C when A is 80° .

6. If p, q are the perpendiculars from A, B on any straight line through C , prove that

$$a^2 p^2 + b^2 q^2 - 2abpq \cos C = 4\Delta^2,$$

where Δ is the area of the triangle ABC .

7. Establish from first principles the equations

$$\lim_{x \rightarrow 1} \frac{x^{4/5} - 1}{x - 1} = \frac{4}{5}, \quad \frac{d}{dx}(uv) = u \frac{dv}{dx} + v \frac{du}{dx}.$$

8. Prove that

$$\frac{d}{dx}(8 \sin x - \sin 2x - 6x) = -16 \sin^4\left(\frac{1}{2}x\right);$$

and deduce that x differs from

$$\frac{1}{3} \sin x - \frac{1}{6} \sin 2x \text{ by less than } \frac{1}{3^{\frac{1}{5}} 6} x^5.$$

9. Find the values of x for which $2x - 3 \operatorname{cosec} x$ has a maximum or minimum value, and determine whether they give a maximum or minimum.

10. Find the equation of the tangent to the curve $y = x^2 - 1/x$ at the point $(-1, 2)$; and find where the tangent cuts the curve again.

MATHEMATICS (2).

PROFESSOR BROMWICH.

1. The sides BC, AD of a quadrilateral are parallel; P is any point on CD , and CQ, DQ are drawn parallel to PA, PB : prove that Q lies on AB .

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2. The sides BC , CA , AB of a triangle are divided in P , Q , R , so that each of the ratios $BP : PC$, $CQ : QA$, $AR : RB$ is equal to $p : q (> 1)$. The lines AP , BQ , CR are joined; prove that each of them is divided in the ratios

$$pq + q^2 : p^2 - q^2 : q^2.$$

Hence, construct the triangle ABC , given the lengths AP , BQ , CR , and the ratio $p : q$.

3. The lines OA , OB , OC are not coplanar, and AB , AC are drawn perpendicular to OB , OC ; BP , CP are drawn in the plane BOC perpendicular to OB , OC . Prove that AP is perpendicular to the plane BOC .

4. In a skew quadrilateral $ABCD$ the angles A , B are equal and $BC = AD$: prove that the angles C , D are equal. Prove also the converse—that, when the angles are equal in pairs, $BC = AD$.

5. Three equal spheres rest on a plane in contact: find the radius of a sphere touching the plane and each of the given spheres.

6. The faces of a slice of a sphere have areas A , B , and its thickness is h : prove that the area of a section at a distance x from the face A is

$$A(1 - x/h) + Bx/h + \pi x(h - x).$$

Deduce that the volume of the slice is $\frac{1}{2}h(A + B + \frac{1}{3}\pi h^2)$.

7. Find the condition that the chord $lx + my = n$ of the circle $x^2 + y^2 = a^2$ may subtend a right angle at the point $(c, 0)$. Prove that the product of the perpendiculars on the chord from the centre and from the point $(c, 0)$ is equal to $\frac{1}{2}(a^2 - c^2)$.

8. The chord PQ of a parabola passes through the focus, and PR is a chord perpendicular to the axis: prove that QR passes through a fixed point on the axis.

9. A normal is drawn to an ellipse so as to make equal angles with the principal axes. Prove that the length intercepted on the normal by the ellipse is $2m^3/ab$, where

$$\frac{2}{m^2} = \frac{1}{a^2} + \frac{1}{b^2},$$

and $2a$, $2b$ are the lengths of the axes.

10. A variable point on a hyperbola is joined to two fixed points on the curve: prove that the two chords intercepted a fixed length on either asymptote.

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EXPERIMENTAL PHYSICS.

[*Arts, Medicine, and Engineering.*]

Examiner—PRESIDENT ANDERSON.

1. Define Young's Modulus. A wire, 8 metres long, and .02 sq. cm. in cross-section, is stretched .05 cm. by a weight of 3 kilograms: find the value of Young's Modulus.

2. A liquid is poured into a U-tube, the diameters of the cross-sections of the two limbs being different: explain why there is a difference in level of the liquid in the limbs.

3. Why does the velocity of sound in a gas depend on the ratio of its specific heats?

4. Explain the cause of draught in chimneys, and show how it depends on the height of the chimney, and the difference between the inside and outside temperatures.

5. Describe a method of finding the dew-point of air.

6. A person, whose range of distinct vision is between 10 and 20 cms., puts on spectacles which remove the near point to 20 cms.: what is now his range of distinct vision?

7. Describe how a pure spectrum of sun-light may be obtained. To what are the dark lines on the spectrum due?

8. How would you exhibit the lines of force due to a bar-magnet? At what points in the field of the magnet are these lines parallel to its axis?

9. A vertical ring, carrying an electric current, can move freely about a diameter which is vertical: what is its position of stable equilibrium when placed in the Earth's magnetic field?

10. How would you show experimentally the existence of self-induction in a coil of wire?

LITERARY SCHOLARSHIPS OF THE THIRD YEAR.

LATIN.

FIRST PAPER.

Examiner—PROFESSOR EXON.

Translate the following passages, and answer the questions attached:—

1. Quod superest, siquis corpus sentire refutat,
Atque animam credit permixtam corpore toto
Suscipere hunc motum quem sensum nominamus,
Vel manifestas res contra verasque repugnat.
Quid sit enim corpus sentire quis adferet umquam,
Si non ipsa palam quod res dedit ac docuit nos?
At dimissa anima corpus caret undique sensu:
Perdit enim quod non proprium fuit eius in aevo
Multaque praeterea perdit cum expellitur aevo.

Dicere porro oculos nullam rem cernere posse,
Sed per eos animum ut foribus spectare reclusis,
Desiperest, contra cum sensus dicat eorum ;
Sensus enim trahit atque acies detrudit ad ipsas
Fulgida praesertim cum cernere saepe nequimus,
Lumina luminibus quia nobis praepediuntur.
Quod foribus non fit : neque enim, quia cernimus ipsi,
Ostia suscipiunt ullum reclusa laborem.
Praeterea si pro foribus sunt lumina nostra,
Iam magis exemptis oculis debere videtur
Cernere res animus sublatis postibus ipsi.

LUCRETIVS.

2. Praeter maiorum cineres atque ossa volucri
Carpento rapitur pinguis Lateranus, et ipse,
Ipse rotam adstringit sufflamine mulio Consul ;
Nocte quidem, sed luna videt, sed sidera testes
Intendunt oculos. Finitum tempus honoris
Cum fuerit, clara Lateranus luce flagellum
Sumet, et occursum nusquam trepidabit amici
Iam senis, ac virga prior annuet, atque maniplos
Solvat, et infundet iumentis hordea lassis.
Interea dum lanatas robumque iuvenum
More Numae caedit Iovis ante altaria, iurat
Solam Eponam et facies olida ad praesepta pictas.
Sed cum pervigiles placet instaurare popinas,
Obvius assiduo Syrophoenix udus amomo
Currit, Idumaeae Syrophoenix incola portae,
Hospitis affectu dominum regemque salutat,
Et cum venali Cyane succincta lagona.

JUVENAL.

3. 'Fundite quae mea sunt,' dicebat, 'cuncta,' Catullus,
Praecipitare volens etiam pulcherrima, vestem
Purpuream, teneris quoque Maecenatibus aptam,
Atque alias, quarum generosi graminis ipsum
Infecit natura pecus, sed et egregius fons
Viribus occultis et Baeticus adiuvat aer.
Ille nec argentum dubitabat mittere, lances

Parthenio factas, urnae cratera capacem,
 Et dignum sitiēte Pholo vel coniuge Fusci ;
 Adde et bascaudas et mille escaria, multum
 Caelati, biberat quo callidus emptor Olynthi.

Id.

4. Abstulerat totam temerarius institor urbem,
 Inque suo nullum limine limen erat.
 Iussisti tenues, Germanice, crescere vicos ;
 Et modo quae fuerat semita, facta via est.
 Nulla catenatis pila est praecincta lagonis :
 Nec praetor medio cogitur ire luto.
 Stringitur in densa nec caeca novacula turba :
 Occupat aut totas nigra popina vias.
 Tonsor, caupo, coquus, lanius sua limina servant :
 Nunc Roma est, nuper magna taberna fuit.

MARTIAL.

5. Transeo prima discentium elementa, in quibus et ipsis parum laboratur ; nec in auctoribus cognoscendis nec in evolvenda antiquitate nec in notitia vel rerum vel hominum vel temporum satis operae insumitur. Sed expetuntur quos rhetoras vocant ; quorum professio quando primum in hanc urbem introducta sit quamque nullam apud maiores nostros auctoritatem habuerit, statim dicturus, referam necesse est animum ad eam disciplinam qua usos esse eos oratores accepimus, quorum infinitus labor et cotidiana meditatio et in omni genere studiorum assiduae exercitationes ipsorum etiam continentur libris. Notus est vobis utique Ciceronis liber, qui '*Brutus*' inscribitur ; in cuius extrema parte (nam prior commemorationem veterum oratorum habet,) sua initia, suos gradus, suae eloquentiae velut quandam educationem refert : se apud Q. Mucium ius civile didicisse ; apud Philonem Academicum, apud Diodontum Stoicum omnes philosophiae partes penitus hausisse : neque his doctoribus contentum, quorum ei copia in urbe contigerat, Achaiam quoque et Asiam peragrasse, ut omnem omnium artium varietatem complecteretur. Itaque hercle in libris Ciceronis deprehendere licet, non geometriae, non musicae, non grammaticae, non denique ullius artis

ingenuae scientiam ei defuisse. Ille dialecticae subtilitatem, ille moralis partis utilitatem, ille rerum motus causasque cognoverat. Ita est enim, optimi viri, ita. Ex multa eruditione et plurimis artibus et omnium rerum scientia exundat et exuberat illa admirabilis eloquentia; neque oratoris vis et facultas, sicut ceterarum rerum, angustis et brevibus terminis cluditur, sed is est orator, qui de omni quaestione pulchre et ornate et ad persuadendum apte dicere pro dignitate rerum, ad utilitatem temporum, cum voluptate audientium possit.—TACITUS.

6. Dupliciter delectatus sum tuis litteris, et quod ipse risi et quod te intellexi iam posse ridere; me autem a te, ut scurram velitem, malis oneratum esse non moleste tuli: illud doleo, in ista loca venire me, ut constitueram, non potuisse; habuisses enim non hospitem, sed contubernalem. At quem virum! non eum, quem tu es solitus promulside conficere: integram famem ad ovom affero, itaque usque ad assum vitulinum opera perducitur. Illa mea, quae solebas antea laudare, 'O hominem facilem! O hospitem non gravem!' abierunt: nunc omnem nostram de re publica curam, cogitationem de dicenda in senatu sententia, commentationem causarum abiecimus, in Epicuri nos adversari nostri castra coniecimus, nec tamen ad hanc insolentiam, sed ad illam tuam lautitiam, veterem dico, quom in sumptum habebas, etsi numquam plura praedia habuisti. Proinde te para: cum homine et edaci tibi res est et qui iam aliquid intellegat, *ὄψιμαθεῖς* autem homines scis quam insolentes sint; dediscendae tibi sunt sportellae et artolagani tui. Nos iam exquisitae artis tantum habemus, ut Verrium tuom et Camillum—qua munditia homines, qua elegantia!—vocare saepius audeamus; sed vide audaciam: etiam Hirtio coenam dedi, sine pavone tamen; in ea cena coquos meus praeter ius fervens nihil non potuit imitari.—CICERO, *Epist. ad Familiares*.

7. Quintus hic dies, Brute, finem faciet Tusculanarum disputationum, quo die est a nobis ea de re quam tu ex omnibus maxime probas disputatum. Placere enim tibi admodum sensi, et ex eo libro quem ad me accuratissime scripsisti, et ex multis sermonibus tuis, virtutem ad beate vivendum se ipsa esse contentam. Quod etsi difficile est

probatu propter tam varia et tam multa tormenta fortunae, tale tamen est, ut elaborandum sit, quo facilius probetur. Nihil est enim omnium, quae in philosophia tractantur, quod gravius magnificentiusque dicatur. Nam cum ea causa impulerit eos, qui primi se ad philosophiae studium contulerunt, ut omnibus rebus posthabitis totos se in optumo vitae statu exquirendo conlocarent, profecto spe beate vivendi tantam in eo studio curam operamque posuerunt. Quodsi ab iis inventa et perfecta virtus est, et si praesidi ad beate vivendum in virtute satis est, quis est, qui non praeclare et ab illis positam et a nobis susceptam operam philosophandi arbitretur? Sin autem virtus subiecta sub varios incertosque casus famula fortunae est nec tantarum virium est, ut se ipsa tueatur, vereor, ne non tam virtutis fiducia nitendum nobis ad spem beate vivendi quam vota facienda videantur.—CICERO, *Tusc. Disputationes*.

8. Ea si bona ducemus, quid erit in philosophi gravitate quam in volgi opinione stultorumque turba quod dicatur aut gravius aut grandius? At enim eadem Stoici ‘praecipua’ vel ‘producta’ dicunt, quae ‘bona’ isti. Dicunt illi quidem, sed iis vitam beatam compleri negant; hi autem sine iis esse nullam putant aut, si sit beata, beatissimam certe negant.—*Ibid.*

What is meant by *ea* here? Who are meant by *isti*? What is the meaning of *producta*? What is the force of *at enim* and *illi quidem*? Discuss the question which forms the subject of Book V.

LATIN.

SECOND PAPER.

Examiner—PROFESSOR EXON.

1. Translate into Latin:—

But a shepherd, in pursuing a goat which had strayed from his flock, having discovered an unknown path by which it was possible to ascend to the top of the rock, came with this seasonable piece of intelligence to Maurice. A small

band of chosen soldiers was instantly ordered to follow this guide. They set out in the evening, and, clambering up the rugged track with infinite fatigue as well as danger, they reached the summit unperceived; and at an hour which had been agreed on, when Maurice began the assault on the one side of the castle, they appeared on the other, ready to scale the walls, which were feeble in that place because it had been hitherto deemed inaccessible. The garrison, struck with terror at the sight of an enemy on a quarter where they had thought themselves perfectly secure, immediately threw down their arms. Maurice, almost without bloodshed, and (which was of greater consequence to him) without loss of time, took possession of a place, the reduction of which might have retarded him long, and have required the utmost efforts of his valour and skill.

2. Translate into English :—

- (a) O fortunatos nimium, sua si bona norint,
Agricolas ! quibus ipsa procul discordibus armis
Fundit humo facilem victum iustissima tellus.
Si non ingentem foribus domus alta superbis
Mane salutantum totis vomit aedibus undam,
Nec varios inhiant pulchra testudine postes,
Inlusasque auro vestes Ephyreiaque aera,
Alba neque Assyrio fucatur lana veneno,
Nec casia liquidi corrumpitur usus olivi :
At secura quies et nescia fallere vita,
Dives opum variarum, at latis otia fundis
(Speluncae vivique lacus et frigida tempe
Mugitusque boum mollesque sub arbore somni)
Non absunt ; illic saltus ac lustra ferarum,
Et patiens operum exiguoque adsueta iuventus
Sacra deum sanctique patres ; extrema per illos
Iustitia excedens terris vestigia fecit.

VERGIL, *Georgic* ii.

- (b) Ipsi Britanni dilectum ac tributa et iniuncta imperii
munera impigre obeunt, si iniuriae absint : has aegre
tolerant, iam domiti ut pareant, nondum ut serviant.
Igitur primus omnium Romanorum divus Iulius cum

exercitu Britanniam ingressus, quamquam prospera pugna terruerit incolas ac litore potitus sit, potest videri ostendisse posteris, non tradidisse. Mox bella civilia et in rem publicam versa principum arma, ac longa oblivio Britanniae etiam in pace: consilium id divus Augustus vocabat, Tiberius praeceptum. Agitasse Gaium Caesarem de intranda Britannia satis constat, ni velox ingenio mobili paenitentiae, et ingentes adversus Germaniam conatus frustra fuissent. Divus Claudius auctor iterati operis, transvectis legionibus auxiliisque et adsumpto in partem rerum Vespasiano, quod initium venturae mox fortunae fuit: domitae gentes, capti reges et monstratus fati Vespasianus.—TACITUS, *Agric.*

3. (a) Give examples of rhotacism (change of *s* to *r*) in Latin. In what circumstances is *s* found in Latin between vowels (as in *fishus*, *caesus*)?

(b) Give English cognates for the following: *duco*, *paucus*, *uādī*, *ueho*, *fagus*, *gena*, *canis*, *homo*, *bos*, *carpo*.

(c) Derive and comment on the following words: *māla* ('jaw'), *coram*, *scala*, *assum*, *sestertius*, *copia*, *latum* (supine), *dignus*, *pando*, *solium*.

4. (a) What do you know of Pacuvius, Cato, Lucilius, Calvus, Apuleius?

(b) What was the character of the early indigenous literature of Italy?

(c) What is known of the life of Tacitus? Give a list of his works. On what grounds has Tacitus' authorship of the *Dialogus* been doubted?

5. Narrate in outline the course of events in Armenia in the reign of Nero.

GREEK (I).

Examiner—PROFESSOR M'ELDERRY.

1. For Greek Prose:—

Just as he was about to leave the harbour, where everything had succeeded to his wish, that he might join his victorious companions, he heard some extraordinary uproar

on board the admiral's galley. Alarmed at the noise, and fearing that the slaves might break their chains, he ran thither; but the plank which reached from the shore to the vessel happening to overturn, he fell into the sea, whilst he hurried forward too precipitately. Being loaded with heavy armour, he sank to the bottom, and perished in the very moment when he must have taken full possession of everything that his ambitious heart could desire. Verrina was the first who discovered this fatal accident, and foreseeing at once all its consequences, concealed it with the utmost industry from every one but a few leaders of the conspiracy. —ROBERTSON.

2. Translate the following unprescribed passages:—

(a) Demosthenes, *de Corona*, 169–170, ἐσπέρα—ἡγείσθαι.

(b) Euripides, *Orestes*, 1–18, οὐκ ἔστιν—ἄπο.

3. (a) Give three instances of triple ablaut in the *ě* series.

(b) Compare the word ἔπος with its cognates in other languages, and account for the points of difference. Explain the aspirate.

(c) Classify with examples the uses of ἄν.

GREEK (II).

Examiner—PROFESSOR M'ELDERRY.

1. Translate:—

(a) Soph. *Antig.* 781–799, Ἔρως—Ἀφροδίτα.

Write a note upon any difficulties which have been found in the action of this play.

(b) Id., *Oed. Tyr.* 390–403, ἐπεὶ—φρονεῖς.

(c) Theocritus I. 39–54, τοῖς δὲ—γαθεῖ.

(d) Andocides *de Myst.* 38, 39, ἔφη γὰρ—οὐκ ἦν.

Write topographical notes on this passage.

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(e) Id., *de Reditu*, 11, 12, ἐκ δὲ τούτου—χρόνω.

Explain the historical allusions. What discrepancy may be found between these two speeches?

(f) Plato, *Phaedo*, c. 35, p. 84d–85b, καὶ ὅς ἀκούσας—*ἄνδρες ἔνδεκα*.

Explain *ἀνάμνησις* and *ἀναπόδοσις*. Wherein do they fail to supply an absolute proof of immortality?

2. (a) Grote denies that the *φόρος* of the Athenian allies was doubled about 425 B.C. What is the evidence bearing upon the question?

(b) Summarise the causes of the Peloponnesian War.

(c) Write brief notes upon—Oenophyta, Delium, Tanagra, Sphacteria, Sybota.

3. (a) Define—trilogy, tetralogy, choregos, prosopon, kommos, parodos, hypokrites.

(b) State briefly what you know of the middle and new comedy at Athens.

FRENCH.

[*Arts, Medicine, and Engineering.*]

Examiner—PROFESSOR STEINBERGER.

I.—COMPOSITION.

1. Translate into French:—

A Parallel.

At first sight, it may seem that the prerogatives of Elizabeth were not less ample than those of Louis the Fourteenth, that her parliaments were as obsequious as his parliaments, and that her warrant had as much authority as his *lettre de cachet*. The extravagance with which her courtiers eulogized her personal and mental charms went beyond the adulation of Boileau and Molière. Louis would have blushed to receive from those who composed the gorgeous circles of Marly and

Versailles such outward marks of servitude as the haughty Britoness exacted of all who approached her. But the authority of Louis rested on the support of his army. The authority of Elizabeth rested solely on the support of her people. Those who say that her power was absolute do not sufficiently consider in what her power consisted. Her power consisted in the willing obedience of her subjects, in their attachment to her person and to her office, in their respect for the old line from which she sprang, in their sense of the general security which they enjoyed under her government. These were the only means which she had at her command for carrying her decrees into execution, for resisting foreign enemies, and for crushing domestic treason.

II.—HISTORY OF LANGUAGE.

2. Distinguish between *la hauteur* and *l'intensité* of a vowel.
3. Point out the principal differences between Old French and the French of the sixteenth century.
4. Trace the history of *h aspirée*.
5. Explain the forms: *pourra, veut, vais, ira, sera, être*.

III.—LITERATURE.

6. Give an account of the literary activity of La Fontaine and Regnard.
7. Give the history of the tragedy according to Boileau.
8. Describe, in French, Racine's connexion with Port-Royal.

IV.

Oral examination on the authors prescribed.

GERMAN.

[*Arts, Medicine, and Engineering.*]*Examiner*—PROFESSOR STEINBERGER.

I.—COMPOSITION.

Translate into German :—

The Letters of Horace Walpole.

Throughout a long life—for sixty odd years—Walpole from his school days at Eton to the last dreary months when he was a helpless invalid in Berkeley Square, a man nearly eighty years of age, pleased and instructed hosts of friends by an increasing stream of correspondence of which the vivacity and variety never failed.

Many generations of Englishmen have been equally charmed with a series of letters, unexampled in their numbers and in their steady continuity, which have now a permanent place in English literature, and which have unquestionably given Walpole the first position among English letter-writers, one unique and unapproached, and altogether distinctive.

Years ago, in this review, Lord Macaulay's fierce assault on Walpole should once for all have demolished his reputation as a man of letters. But the good sense of the public has recognized that, though Macaulay's essay is excellent reading, it is valueless, in most part, as a criticism or an estimate of Walpole's character or of his work; and his fame is now assured.

II.—HISTORY OF LANGUAGE.

Describe, by means of a rough map, the extent of the second Lautverschiebung.

Compare the boundaries of the German language in the tenth century with those of the present time.

Trace the N. H. G. diphthongs *ei*, *au*, and *eu* to their corresponding M. H. G. sounds.

III.—LITERATURE.

Write notes on—Wieland, Gellert, Bürger, Voss, Jean Paul.

Estimate Lessing's position in German literature.

Discuss Schiller's treatment of the Unities in 'Wallenstein.'

Relate the circumstances in the life of Schiller under which 'Wallenstein' was written.

IV.

Oral examination on the works prescribed.

CELTIC.

Examiner—JOSEPH O'NEILL, M.A.

1. Translate into English, with grammatical notes on the underlined words:—

Ṭáinig an tóiré fá'n am rin a n-aḡaid na beinne aníor aḡur an Ḥiann ina ḡiaig. Ro rḡaol Ḍiarmuib mac an coill dá h-éill ina coinne 7 ní ḡearna rin tairbe ḡó, óir níor ḡan rí rin an tóiré aḡur ro iméig riomé. Ḍubhairt Ḍiarmuib, 'ir mairḡ naé n-beimeann coḡairle ḡeaḡ-mná, óir adubhairt Ḣráinne riom a moé-ḡáil na maibne anú an Móraltaé aḡur an Ḣa Ḍearḡ ḡo ḡabairt riom.' Iar rin ro éuir Ḍiarmuib a ḡiḡ-méur ḡaie-ḡeal ḡoinn-ionḡanaé a ruaieḡib ḡíḡoḡa an ḡaol ḡuibe aḡur éuḡ roḡa an urḡair ḡon múie ḡur ḡuail a ḡceairt-iar a h-aigḡe aḡur a h-eudain í; ḡiḡeáḡ níor ḡéarr aon ruibe innḡe aḡur ní ḡearna ruiliuḡaḡ iná ḡoirḡearḡaḡ uirre. ḡa múirde meanma Ḍiarmuḡa rin.

2. Translate into English :—

beip a lírpeac uaim d'Ollann
 plán gacla corp ina raclaó ;
 agur a rgiac do Connla
 do'n cí dongbar na cacla.

Na eucla agur na cuirp,
 na copáin agur na h-eapéracla,
 airge mná gan buíde,
 biaid agam uile am aonar.

Marbiaid mná agur mion-daoime,
 ar oleur pe bar m-bíoclbaib ;
 na deinió peall ina meabhal,
 deinió deablaó agur imeclaé.

3. Translate into English :—

Ciú trá acla ó ró túit Cairbre,—ní gnacla caclugaó
 ar ndíocl tigeapna—7 ro fáoclpaó laigníb ar a láicrib
 cacla 7 ro máicl in comlann oppo. Agur ro leanabap
 Ulaicl íab go Ríge Laigean gurb anhpoin ro anhpac
 bíocl ; gonaó ann abubrapap,—‘ ír lór linn a leanmúin
 go ró ro ’ ; gonaó de rin ro lean an t-ainm do'n abuin
 andiu .i. Ríge ; roclaíde trá a ttopéraap bíocl go
ruíge ro.

Ro íoclérib Ulaicl íap rin go h-airm a paíbe Conclubar
 go mbuaicl ccorpaur 7 commaoiclme ; 7 do gabaap ag
 aónacaó a ccaocl 7 a ccapac ; go ndubairt Conclubar :—
 ‘ Ír ole liom an capapraó ro ó Cairbre .i. tioról pluaiğ
 am ağaió-pe do taóairt cacla daím.’ Agur do bí ag
 caoimeacl go mór ór cionn Cairbre go tcláinr Cú Cluin
 do láclaur 7 ceann Cairbre leir ; 7 do léiğ a bpaónaire
 Conclubar é.

Parse and explain fully the underlined words.

4. Translate into Irish :—

The Lord Mayor of Dublin kept open house and a princely table. He spent £500 a year in viands and diet, no small sum when victuals were so cheap. He had three barns well stored with corn, in one alone of which he thought he had sufficient to keep his house stocked with bread, ale, and beer for the year, 'but now, God and good company be thanked, I stand in doubt whether I shall be able to finish my mayoralty with my third barn.' His house was open from five in the morning till ten at night, and 'he and his wife did never frown or wrinkle their foreheads at any guest, were he never so mean, nor was his porter allowed to give the simplest man Tom Drum's entertainment, which is to haul a man in by the head and thrust him out by the shoulders.' Mayor Stanyhurst was so great a householder that the Lord Chancellor was his daily and ordinary guest. 'Very few officers under the crown of England,' says an English writer of that period, 'keep so great a house, none I am sure greater, than the Mayor of Dublin.'

5. Discuss fully the usage in Irish of the 'passive' verb forms of intransitive verbs.

6. What traces of the dual number remain in Modern Irish? Explain fully the agreement of the accompanying article, adjective, and verb with the dual noun.

7. Give a short account of the 'Bruce War' in Ireland in the reign of Edward II. What were the general after-effects of this war on Ireland?

8. What were the causes which led up to the Battle of Knockdoe? What were the results of this battle?

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ENGLISH.

Examiner—PROFESSOR TRENCH.

1. Have women much influence upon the course of the action in *Hamlet*?

300 *Literary Scholarships of the Third Year.*

2. Summarise the contents of the last canto of *The Faery Queene*, Book I. ; and explain the relation in which this book would stand to the general scheme of the whole work, had it been completed.

3. Describe Milton's verse : is his own description of it satisfactory ?

Would one be justified, from a study of *Paradise Lost*, in placing Milton among the ' classical ' poets ?

4. Collect from the *Essays* proofs of Bacon's interest in public life ; and a general view of his political principles.

5. Explain in your own words, how, according to Sidney, ' Poesie is an act of imitation,' and more philosophical than History.

6. Sketch briefly the development of the drama from 1579 to 1595.

What are the peculiarities of the sonnet ? and who were the sonnet-writers ?

LOGIC.

Examiner—PROFESSOR TRENCH.

1. Are all agreed that all terms must have denotation ? and connotation ? Explain the reasons for any divergent views that you are aware of on this subject.

2. Distinguish the predicative from the denotative view of propositions. Is the distinction of any special importance ?

3. (a) Deduce from the general rules of the syllogism the corollary that from a particular Major and a negative Minor, nothing can be inferred.

(b) Explain clearly why ' some A is B ' has no contrapositive.

(c) Why is the 4th figure of so little use ?

4. Explain or discuss : To deny the antecedent in a hypothetical syllogism is analogous to an illicit process of the major term, and to affirm the consequent is analogous to undistributed middle.

5. Examine the validity of the following:—

(a) His reasoning was correct, but as I knew his Conclusion to be false, I was at once led to see that his Premisses must be so also;

(b) His reasoning was correct, but his Premisses were both obviously false, and I therefore knew that his Conclusion must be so ;

(c) His reasoning was correct, and as I at once recognised the truth of his Conclusion, as well as of one of his Premisses, I felt bound to admit the truth of his other Premiss.

(d) All the family were industrious, but only some of them were clever, thus affording evidence that cleverness is not always the accompaniment of industry nor always accompanied by it.

HISTORY.

Examiner—PROFESSOR TRENCH.

1. Sketch the constitutional results of the reign of James I. State the main Provisions of the Petition of Right, showing what events led to it most immediately.

2. Narrate the events in Ireland which led to the Confederation of Kilkenny, and discuss the results of it.

3. What was the policy of Clarendon, and what were its effects? and that of Danby?

4. Explain the term *feudalism*.

5. Narrate the rise, the Latin Conquest, and the fall, of Constantinople.

6. Show the importance of Savoy in the history of Europe.

7. Write an account of the public career of Buonaparte up to 1804.

SCIENCE SCHOLARSHIPS OF THE THIRD YEAR.

MATHEMATICS (1).

PROFESSOR BROMWICH.

1. Prove that the roots of the equation

$$(x^3 - 3x + 1)/x(x - 1) = (c^3 - 3c + 1)/c(c - 1)$$

are $x = c; \quad 1 - 1/c; \quad 1/(1 - c).$

2. Discuss the convergence of the series

$$(i) \quad 1 + 2^{-n} + 3^{-n} + 4^{-n} + 5^{-n} + \dots$$

$$(ii) \quad \sin \theta + \frac{1}{2} \sin 2\theta + \frac{1}{3} \sin 3\theta + \frac{1}{4} \sin 4\theta + \dots$$

Does the sum of (ii) represent a continuous function of θ ?

3. State some condition under which an infinite series of functions of x may be integrated with respect to x .

Obtain the series for $\tan^{-1}x$ by integrating $1/(1 + x^2)$, or otherwise.

4. Find the power-series for $\sin x$; and use it to find within what limits x must lie if the difference $x - \sin x$ is to be less than $\cdot 01$.

5. If $a = \cos \alpha + i \sin \alpha$, $b = \cos \beta + i \sin \beta$,
express $\lambda \cos(\alpha + \beta) + \cos(\alpha - \beta)$

in terms of a and b . Deduce that, if

$$\begin{aligned} \lambda \cos(\beta + \gamma) + \cos(\beta - \gamma) &= \lambda \cos(\gamma + \alpha) + \cos(\gamma - \alpha) \\ &= \lambda \cos(\alpha + \beta) + \cos(\alpha - \beta), \end{aligned}$$

then each of these expressions is equal to $\frac{1}{2}(\lambda^2 - 1)$, and

$$\sin(\beta + \gamma) + \sin(\gamma + \alpha) + \sin(\alpha + \beta) = 0.$$

6. The angles of a spherical triangle are $\frac{1}{3}\pi$, $\frac{1}{3}\pi$, $\frac{1}{3}\pi$: find the sides, and show that the perimeter is π .

7. The points D, E, F bisect the sides BC, CA, AB , respectively, of a spherical triangle. The great circle EF cuts BC in P, Q : prove that PD is a quadrant.

Hence construct A, B, C , given D, E, F .

8. A plane cuts a cone of revolution whose vertical angle is 2α : prove that the section is a conic of latus-rectum $2p \tan \alpha$, p being the perpendicular on the plane from the vertex.

9. A circle and a parabola meet in $PQRS$, the chord PQ being a diameter of the circle: prove that the part of the axis between PQ and RS is equal to the latus rectum.

10. A conic passes through the opposite vertices A, C of a parallelogram $ABCD$; it meets AB, BC, CD, DA in P, Q, R, S , respectively. Prove that PQ is parallel to SR .

MATHEMATICS (2).

PROFESSOR BROMWICH.

1. Verify that the equation

$$(1 + x^2) \frac{d^2y}{dx^2} + x \frac{dy}{dx} = \frac{1}{2}y$$

is satisfied by taking

$$y^2 = (1 + x^2)^{\frac{1}{2}} \pm 1.$$

2. If $x + y + z = 4$, and $yz + zx + xy = 5$, prove that xyz is a maximum for $x = 1$, and a minimum for $x = \frac{5}{6}$.

3. Find the equation of the evolute to the parabola given by $x = t^2$, $y = 2t$.

Prove that, if P is a point in which the parabola cuts the evolute, the tangent to the evolute at P cuts the evolute again at right angles.

4. A curve has the property that the intercept (PT) on the tangent between the point of contact (P) and a fixed line (l) is of given length; PX is the normal at P , and TX is a line drawn through T perpendicular to l : prove that X is the centre of curvature at P .

[Take l as an axis of reference.]

5. Integrate the expressions

$$\int \frac{(x+1)dx}{(x^2-1)^{\frac{1}{2}}}, \quad \text{and} \quad \int \frac{dx}{(x^2-1)^{\frac{1}{2}}(x+1)}.$$

Find the values of the integrals when the limits are 1, 2.

6. Find the integrals

$$\int_0^{\frac{1}{2}\pi} \sin^5\theta \cos^4\theta d\theta, \quad \int_0^{\frac{1}{2}\pi} \tan^6\theta d\theta, \quad \int_0^{\frac{1}{2}\pi} \frac{\sin\theta + \sin\alpha}{\cos\theta + \cos\alpha} d\theta,$$

where, in the last integral, α lies between 0 and $\frac{1}{2}\pi$.

7. Prove that, as θ ranges from 0 to $\frac{1}{2}\pi$, the length of the curve given by

$$x = \cos^5\theta, \quad y = \sin^5\theta,$$

is
$$\frac{5}{4} \left[1 + \frac{1}{2\sqrt{3}} \log(2 + \sqrt{3}) \right].$$

8. The curve $y = x/(x^2 + 1)$ is turned through an angle of 2π about its asymptote, the axis of x : calculate the volume contained by the surface generated.

9. A variable line moves parallel to itself, and cuts two fixed lines OAP , OBQ in P , Q ; the points A , B are fixed: show that the intersection of AQ , BP moves on a conic, of which AB is a diameter.

10. A variable line meets two fixed lines in P , Q : show that, if A , B are fixed points on the fixed lines, and if $AP : BQ$ is a fixed ratio, the envelope of PQ will be a parabola which touches the fixed lines.

MATHEMATICAL PHYSICS.

Examiner—PRESIDENT ANDERSON.

1. Three forces, P , Q , R , act at a point in directions making angles of 120° with one another: show that the sine of the angle which the resultant makes with P , measured towards Q , is

$$\frac{(Q - R)\sqrt{3}}{2\sqrt{P^2 + Q^2 + R^2 - QR - PR - PQ}}.$$

2. State the Laws of Friction.

A right circular cylinder, whose height is h and radius of base a , stands on a horizontal plane, and is pulled in a horizontal direction by means of a string attached to a point in its upper end: show that if the coefficient of friction $< \frac{a}{h}$, it will slide on the plane when the tension of the string is sufficiently increased.

3. Two masses, m_1 and m_2 , suspended as in Atwood's machine, start from rest: find the distance described by their centre of gravity in any time.

4. A particle is projected from a point on an inclined plane so that the range up the plane is maximum: show that the focus of the path lies in the plane.

5. A particle moves uniformly round a circle with angular velocity ω : show that its acceleration is towards the centre, and equal to $\omega^2 r$.

Compare the masses of the Sun and of the Earth, given that the Moon makes 13 revolutions per year, and that the Sun is 390 times as distant as the Moon.

6. Show that the resultant thrust on a hemispherical surface, immersed in a liquid, with its highest point in the surface, and its base inclined at an angle θ to the horizon, acts through the centre at an inclination to the vertical

$$= \cot^{-1} \left(\cot \theta + \frac{2}{3} \operatorname{cosec}^2 \theta \right).$$

7. Two buckets of equal and similar internal volumes, but different weights, are filled with water, and suspended by means of a cord passing over a smooth pulley: show that the pressures on the bottoms of the buckets are inversely as their masses.

8. Find the power of a single lens equivalent to two thin coaxial lenses of powers p_1 and p_2 , separated by an interval a .

9. Prove that, in prisms of the same material, as the refracting angle increases the minimum deviation also increases.

10. What is meant by the Equation of Time? Explain the causes to which it is due; and show that it vanishes four times in the year.

EXPERIMENTAL PHYSICS.

Examiner—PRESIDENT ANDERSON.

1. How is the surface-tension of a liquid measured?

Find the work done in blowing a soap-bubble from a diameter of 10 to one of 20 cms., if the surface tension is 75 cgs. units.

2. Investigate a formula for the pitch of the note heard when a source of sound is approaching an observer moving in the same direction.

3. How is the coefficient of cubical expansion of a solid measured? A crystal has a coefficient of expansion α in one direction, and a coefficient of expansion β in every direction at right angles: find its coefficient of cubical expansion.

4. Air is suddenly compressed to $\frac{1}{1000}$ th of its volume: show how to calculate the resulting change of temperature.

5. Find the velocity of mean square of the molecules of a gas whose density at a pressure of 76 cms. of mercury is $\cdot 0013$.

6. What information with regard to the direction and magnitude of the velocity of a star relative to the Earth can be obtained from observations made on the spectrum of the light emitted by it?

7. Find the positions of the principal points of a double convex lens whose radii of curvature are each 20 cms., the glass being 2 cms. thick, and the index of refraction 1.5.

8. Find at what points the lines of force of a very short magnet are perpendicular to its axis.

9. Two cells are connected in parallel to a circuit of 2 ohms resistance. Their E. M. F.s are 2 and 3 volts, and their internal resistances .05 and .04 ohm respectively: find the current through each cell.

10. A conducting sphere of radius a carries a charge of electricity e , and is surrounded by a medium of specific inductive capacity k : find the repulsion on the surface per unit area.

CHEMISTRY.

Examiner—PROFESSOR SENIER.

[*Formulae, equations, and diagrams are to be used whenever possible.*]

1. State (*a*) what you suppose to be the constitution of the molecules of sulphur in the gaseous state, and (*b*) your reasons for such supposition.

2. Give an account of a manufacturing process recently introduced for the preparation of nitric acid from the gases of the atmosphere.

3. How would you determine the composition by weight of (*a*) water, (*b*) hydrochloric acid, (*c*) ammonia?

4. (*a*) Starting with hydrochloric acid, explain the manufacture of bleaching powder. (*b*) Discuss the views entertained respecting the constitution of its molecules.

5. Describe and explain how you would proceed in the laboratory to prepare pure specimens of the following compounds:—(*a*) hydrochloric acid, (*b*) hydrobromic acid, (*c*) hydriodic acid.

BIOLOGY.

Examiner—PROFESSOR RICHARD J. ANDERSON, M.D., M.A.

1. Give an account of the digestive and circulatory systems in *Anodon*.
2. Classify Mollusca, and give the chief featural peculiarities of the groups you name.
3. Give the chief divisions of Protozoa, and describe *Paramœcium* and *Amœba*.
4. Compare an *Actinozoon* (*Actinia*) with a *Hydrozoon* (*Hydra*).
5. Compare the skull of Tortoise with the skull of a Ruminant.
6. Write a short account of the calyx, and describe the chief varieties.
7. Describe the parts seen in a microscopic transverse vertical section of a leaf.
8. Define the *Malvaceæ*, *Scrophularineæ*, and the *Orchidaceæ*.
9. Write an account of assimilation in plants, and note the chief steps that lead up to this.

GEOLOGY AND MINERALOGY.

Examiner—PROFESSOR RICHARD J. ANDERSON.

1. Define the terms—‘dip-joint,’ ‘synclinal,’ ‘anticline,’ ‘step-fault,’ ‘escarpment,’ ‘talus,’ ‘overthrust,’ ‘barren-ground,’ ‘laccolite,’ ‘overlap.’
2. Refer to their proper organic and geological positions—*Hippopodium*, *Gryphæa*, *Walchia*, *Micraster*, *Scaphite*, *Ichthyornis*, *Nilssonina*, *Ceratites*, *Asaphus*, *Adiantites*.
3. Give an account of the chief rocks that characterize the Devonian system of the British Isles, and mention six characteristic fossils of this system.

4. Give a short account of the rainfall over the British Isles. Account for the differences in amount that are noted from month to month.

5. Compare the physical features of Eurasia with those of North America.

6. Give the names of ten minerals that crystallize in the Monoclinic system. What are the chief faces met with in this system?

7. Give the physical and chemical characters of—Orthoclase, Hornblende, Wallastonite, Analcime, Smithsonite, Pyrite, Cuprite, Barite, Fluorite, Manganite.

8. Give the constitution and composition of Diorite, Basalt, Mica Schist, Gabbro, Trachyte.

SENIOR SCHOLARSHIP IN ANCIENT CLASSICS.

GREEK (I).

Examiner—PROFESSOR M'ELDERRY.

See paper, p. 292—GREEK (I).—Literary Scholarships of the Third Year.

GREEK (II).

Examiner—PROFESSOR M'ELDERRY.

1. Translate :—

(a) Thucydides, iv. 100, 2-4, *κεραίαν—άλῶναι*.

(b) Id., v. 111, 1-3, *τούτων—προσλαβεῖν*.

Draw a sketch map to illustrate the operations about Sphacteria. Discuss the question of Thucydides' responsibility for the loss of Amphipolis.

2. Translate with brief explanatory notes :—

(a) Aristophanes, *Knights*, 1300-1315, *φασίν—καθελκύσας*.

(b) Id., *Frogs*, 717-733, *πολλάκισ—ἐχρήσατ' ἄν*.

State the differences between the tragic and comic iambic trimeter.

3. Translate with brief notes :—

(a) Aeschylus, *Agam.*, 423-434, πόθω—κελεύθους.

(b) Id., *Persae*, 361-371, ὁ δ' εὐθύς—προκειμένον.

Discuss the movement here described.

4. Translate Pindar, *Nem.* II. 1-15, ὄθενπερ—ἀέξει.

Annotate ll. 10 ff., ἔστι δ' οἰκὸς . . . and l. 14, ἐν Τροίᾳ . . .

5. Translate Aristotle, *Poetics* XIV., 1453b, 1-3, ἔστιν μὲν—ἐμποιητέον.

What is Aristotle's view of the ideal tragic hero?

6. (a) Write brief notes upon Phokion, Timoleon, Jason.

(b) Describe the rise of the second Athenian Confederacy.

(c) Give a list, with approximate dates, of the lyric poets who are included in the canon; and mention their chief extant works.

(d) Give a summary account of the Eleusinian Mysteries.

(e) Describe the arrangement of the crew in a trireme. Point out any difficulties in the current views.

LATIN.

FIRST PAPER.

Examiner—PROFESSOR EXON.

1. Translate, adding short notes where necessary —

I.

Ps. *Ecquid argutust?* CH. *Malorum facinorum saepissime.*

Ps. *Quid, quom manifesto tenetur?* CH. *Anguilla est: clabitur.*

Ps. *Ecquid is homo scitust?* CH. *Plebiscitum non est scitius.*

Ps. *Probus homo est, ut praedicare te audio.* CH. *Immo si scias.*

Ubi te adspexerit, narrabit ultro, quid sese velis.

Sed quid illo es acturus? Ps. Dicam. Ubi hominem ex-
ornavero,
Subditicium fieri ego illum militis servom volo;
Symbolum hunc ferat lenoni cum quinque argenti minis;
Mulierem ab lenone abducat. Hem tibi omnem fabulam!
Ceterum, quo quidque pacto faciat, ipsi dixero.

PLAUTUS, *Pseudolus*.

II.

Sr. Stasime, fac te propere celerem! recipe te ad dominum
domum:

Ne subito metus exoriatur scapulis stultitia tua!
Adde gradum! appropera! iamdudum factum est, quom abiisti
domo.

Cave, sis, tibi, ne bubuli in te cottabi crebri crepent,
Si aberis ab eri quaestione. Ne destiteris currere!—
Ecce hominem te, Stasime, nili! satin in thermopolio
Condalium es oblitus, postquam thermopotasti gutturem?
Recipe te et recurre petere re recenti! CH. Huic, quisquis
est,

Gurgulio est exercitor; is hunc hominem cursuram docet.

Sr. Quid homo nili? non pudet te? tribusne te poteris
Memoriam esse oblitum? An vero, quia cum frugi homonibus
Ibi bibisti, qui ab alieno facile cohiberent manus?
Theruchus fuit, Cerconicus, Crinus, Cercobolus, Collabus,
Oculicrepidae, cruricrepidae, ferriteri, mastigiae:
Inter eosne homines condalium te redipisci postulas.

Id., *Trinummus*.

2. Scan as Iambic *Senarii*, marking the quantity of every
syllable, and the position of every ictus:—

(a) Post adeas tute Philtonem et dotem dare
Te ei dicas: facere id eius ob amicitiam patris.

(b) (ferat epistulas)
Duos: eas nos consignemus, quasi sint a patre.

(c) Sed quis istest tuos ornatus?—ego dicam tibi.

Under what conditions is Prosodic Hiatus legitimately
found in Plautus?

3. Translate :—

Hoc etiam faciunt, ubi discubere, tenentque
 Pocula saepe homines, et inumbrant ora coronis,
 Ex animo ut dicant, brevis hic est fructus homullis.
 Iam fuerit, neque post unquam revocare licebit.
 Tanquam in morte mali cumprimis hoc sit eorum,
 Quod sitis exurat miseros, atque arida torreat ;
 Aut aliae cuius desiderium insideat rei.
 Nec sibi enim quisquam tum se vitamque requirit,
 Cum pariter mens et corpus sopita quiescunt :
 (Nam licet aeternum per nos sic esse soporem)
 Nec desiderium nostri nos adtigit ullum :
 Et tamen haudquaquam nostros tunc illa per artus
 Longe ab sensiferis primordia motibus errant,
 Quom conreptus homo ex somno se colligit ipse.
 Multo igitur mortem minus ad nos esse putandumst ;
 Si minus esse potest, quam quod nil esse videmus.
 Maior enim turbae disiectus material
 Consequitur leto ; nec quisquam expergitus exstat,
 Frigida quem semel est vitali pausa secuta.

Lucretius, iii.

In v. 925 the mss. have *se colligit*, but some editors read *se colligat*: can you give any reason for or against change ?

4. Translate and annotate :—

I.

Sed quid ago ? paene orationem in epistulam inclusi. Redeo ad altercationem. Surgit pulchellus puer : obiicit mihi, 'me ad Baias fuisse.' Falsum : sed tamen quid hoc ? 'Simile est,' inquam, 'quasi dicas in aperto fuisse.' 'Quid,' inquit, 'homini Arpinati cum aquis calidis ?' 'Narra,' inquam, 'patrono tuo, qui Arpinati aquas concupivit : nosti enim Marianas. 'Quousque,' inquit, 'hunc regem feremus ?' 'Regem appellas,' inquam, 'quom Rex tui mentionem nullam fecerit ?' (Ille autem Regis hereditatem spe devorarat.) 'Domum,' inquit, 'emisti.' 'Putes,' inquam, 'dicere : iudices emisti.' 'Turanti,' inquit, 'tibi non crediderunt.' 'Mihi vero,' inquam, 'xxv iudices crediderunt ; xxxi, quoniam nummos ante acceperunt, tibi non crediderunt.' Magnis clamoribus afflicto contieuit et concidit.—Cicero, *Epist. ad Atticum*.

II.

Romanæ autem se res sic habent: senatus ἄπειος πάγος. Nihil constantius, nihil severius, nihil fortius. Nam quom dies venisset rogationi ex senatus consulto ferendæ, concursabant barbatuli iuvenes, totus ille grex Catilinae, duce filiola Curionis, et populum, ut antiquaret, rogabant. Piso autem consul, lator rogationis, idem erat dissuasor. Operæ Clodianæ pontis occuparant. Tabellæ ministrabantur ita, ut nulla daretur 'UTI ROGAS.' Hic tibi rostra Cato advolat, convicium Pisoni consuli mirificum facit; si id est convicium, vox plena gravitatis, plena auctoritatis, plena denique salutis. Accedit eodem etiam noster Hortensius, multi præterea boni: insignis vero opera Favoni fuit.—*Ibid.*

5. Translate:— I.

Multus hinc ipso de Augusto sermo, plerisque vana mirantibus, quod idem dies accepti quondam imperii princeps et vitæ supremus; quod Nolæ in domo, et cubiculo in quo pater eius Octavius, vitam finivisset. Numerus etiam consulatum celebrabatur, quo Valerium Corvum et C. Marium simul æquaverat, continuata per septem et triginta annos tribunicia potestas, nomen imperatoris semel atque vicies partum, aliæque honorum multiplicata aut nova. At apud prudentes vita eius varie extollebatur arguebaturve. Hi pietate erga parentem et necessitudine rei publicæ, in qua nullus tunc legibus locus, ad arma civilia actum, quæ neque parari possent neque haberi per bonas artes. Multa Antonio, dum interfectores patris ulcisceretur, multa Lepido concessisse. Postquam hic socordia senuerit, ille per libidines pessum datus sit, non aliud discordantis patriæ remedium fuisse quam ut ab uno regeretur. Non regno tamen neque dictatura, sed principis nomine constitutam rem publicam; mari, Oceano, aut omnibus longinquis sæptum imperium; legiones, provincias, classes, cuncta inter se connexa: ius apud cives, modestiam apud socios; urbem ipsam magnifico ornatu; pauca admodum vi tractata, quo ceteris quies esset.—TACITUS, *Annals*.

II.

Fine anni concessere vita insignes viri L. Volusius et Sallustius Crispus. Volusio vetus familia, neque tamen præturam egressa: ipse consulatum intulit, censoria etiam

potestate legendis equitum decuriis functus, opumque, quis domus illa immensum viguit, primus adcumulator. Crispum equestri ortum loco C. Sallustius, rerum Romanarum florentissimus auctor, sororis nepotem in nomen adscivit. Atque ille, quamquam prompto ad capessendos honores aditu, Maecenatem aemulatus, sine dignitate senatoria multos triumphalium consulariumque potentia anteiit, diversus a veterum instituto per cultum et munditias, copiaque et affluentia luxu propior. Suberat tamen vigor animi ingentibus negotiis par, eo acrior quo somnum et inertiam magis ostentabat. Igitur incolumi Maecenate proximus, mox praecipuus cui secreta imperatorum inniterentur, et interficiendi Postumi Agrippae conscius, aetate provecta speciem magis in amicitia principis quam vim tenuit. Idque et Maecenati acciderat, fato potentiae raro sempiternae, an satias capit aut illos, cum omnia tribuerunt, at hos, cum iam nihil reliquum est quod cupiant.—*Ibid.*

6. Translate :—

Quid prodest caelum votis implesse, Neaera,
 Multaque cum blanda tura dedisse prece,
 Non ut marmorei prodirem e limine tecti,
 Insignis clara conspicuusque domo,
 Aut ut multa mei renovarent iugera tauri
 Et magnas messes terra benigna daret,
 Sed tecum ut longae sociarem gaudia vitae
 Inque tuo caderet nostra senecta sinu,
 Tum cum permenso defunctus tempore lucis
 Nudus Lethaea cogerer ire rate ?
 Nam grave quid prodest pondus mihi divitis auri,
 Aruaque si findant pinguis mille boves ?
 Quidve domus prodest Phrygiis innixa columnis,
 Taenare sive tuis, sive Caryste tuis,
 Et nemora in domibus sacros imitantia lucos
 Aurataeque trabes marmoreumque solum ?
 Quidve in Erythraeo legitur quae litore concha
 Tinctaque Sidonio murice lana iuvat,
 Et qua praeterea populus miratur? in illis
 Invidia est: falso plurima vulgus amat.
 Non opibus mentes hominum curaeque levantur :
 Nam Fortuna sua tempora lege regit.
 Sit mihi paupertas tecum iucunda, Neaera :
 At sine te regum munera nulla volo.

TIBULLUS.

LATIN.

SECOND PAPER.

Examiner—PROFESSOR EXON.

1. Translate into Latin :—

We find but few historians, of all ages, who have been diligent enough in their search for truth; it is their common method to take on trust what they distribute to the public; by which means a falsehood once received from a famed writer becomes traditional to posterity. But Polybius weighed the authors from whom he was forced to borrow the history of the times immediately preceding his, and oftentimes corrected them, either by comparing them each with other, or by the lights which he had received from ancient men of known integrity amongst the Romans, who had been conversant in those affairs which were then managed, and were yet living to instruct him. He also learned the Roman tongue, and attained to that knowledge of their laws, their rights, their customs, and antiquities, that few of their own citizens understood them better: having gained permission from the Senate to search the Capitol, he made himself familiar with their records, and afterwards translated them into his mother tongue. So that he taught the noblemen of Rome their own municipal laws, and was accounted more skilful in them than Fabius Pictor, a man of the senatorian order, who wrote the transactions of the Punic Wars.—DRYDEN.

2. Translate into English :—

I.

Multa adeo gelida melius se nocte dedere,
Aut cum sole novo terras inrorat eous.
Nocte leves melius stipulae, nocte arida prata
Tondentur; noctis lentus non deficit umor.
Nec rubicunda ceres medio succiditur aestu,
At medio tostas aestu terit area fruges.
Nudus ara, sere nudus; hiemps ignava colono.
Frigoribus parto agricolae plerumque fruuntur,
Mutuaque inter se laeti convivia curant.

Invitat genialis hiemps curasque resolvit,
 Ceu pressae cum iam portum tetigere carinae
 Puppibus et laeti nautae imposuere coronas.
 Sed tamen et quernas glandes tum stringere tempus
 Et lauri bacas oleamque cruentaque myrta,
 Tum gruibus pedicas et retia ponere cervis
 Auritosque sequi lepores, tum figere dammas
 Stuppea torquentem Balaearis verbera fundae,
 Cum nix alta iacet, glaciem quom flumina trudunt.

VERGIL, *Georgics.*

II.

Nullas Germanorum populis urbes habitari satis notum est, ne pati quidem inter se iunctas sedes. Colunt discreti ac diversi, ut fons, ut campus, ut nemus placuit. Vicos locant non in nostrum morem conexis et cohaerentibus aedificiis: suam quisque domum spatio circumdat, sive adversus casus ignis remedium sive inscitia aedificandi. Ne caementorum quidem apud illos aut tegularum usus: materia ad omnia utuntur informi et citra speciem aut delectationem. Quaedam loca diligentius inlinunt terra ita pura ac splendente, ut picturam ac liniamenta colorum imitetur. Solent et supterraneos specus aperire eosque multo insuper fimo onerant, suffugium hiemis et receptaculum frugibus, quia rigorem frigorum eius modi loci molliunt, et si quando hostis advenit, aperta populatur, abdita autem et defossa aut ignorantur aut eo ipso fallunt quod quaerenda sunt.—TACITUS, *Germania.*

III.

Marrucine Asini, manu sinistra
 Non belle uteris in ioco atque vino:
 Tollis lintea neglegentiorum.
 Hoc salsum esse putas? Fugit te, inepte:
 Quamvis sordida res et invenusta est.
 Non credis mihi? Crede Pollioni
 Fratri, qui tua furta vel talento
 Mutari velit: est enim leporum
 Disertus puer et facetiarum.
 Quare aut hendecasyllabos trecentos
 Exspecta, aut mihi lintheum remitte;
 Quod me non movet aestimatione,

Verum est *μνημόσυνον* mei sodalis.
Nam sudaria Saetaba ex Iberis
Miserunt mihi muneri Fabullus
Et Veranius : haec amem necesse est,
Ut Veraniolum meum et Fabullum.

CATULLUS.

3. (a) How are the labialized velar gutturals represented in Latin and in Greek ?

(b) What forms does original *dh* take in Latin ?

(c) Give (where possible) Latin and English cognates of : *βαίνω, πείθω, ὄχος, μνάομαι, ἀλλοδαπός*; and give Greek and English cognates of : *fastus, torreo, fingo, uīdī, carpo*.

(d) State and illustrate Verner's Law.

4. (a) Write an account of the life and works of Ennius and Accius.

(b) Compare the art of Terence with that of Plautus.

SENIOR SCHOLARSHIP IN ENGLISH AND MODERN LANGUAGES.

ENGLISH.

FIRST PAPER.

Examiner—PROFESSOR TRENCH.

1. Write notes on the following lines, and refer to the context:—

(a) Yet wolde he have a ferthing er he wente.

(b) Al was fee simple to him in effect.

(c) Seynt Julian he was in his contree.

(d) By water he sent hem hoom to every lond.

2. Trace in a summary manner the history of Lear's mind and the development of his character in the play.

3. On what internal evidence is *Richard III.* assigned to an early period in Shakespeare's career?

4. 'Greek tragedy may rather be compared to our serious opera than to the tragedies of Shakespeare.' How does Coleridge expand or modify this statement?

5. Give examples of fine rhythmical effects in Byron's poems; and mention passages in which his varied powers of description are well exemplified.

6. Explain and illustrate from other poems of Wordsworth the drift of his thought in any two of the passages from which the following lines are taken:—

(a) Plain living and high thinking are no more.

(b) Me this unchartered freedom tires,
I feel the weight of chance desires.

(c) Have not we too—yes, we have—
Answers from we know not whence,
Echoes from beyond the grave,
Recognised intelligence?

(d) We can feed this mind of ours,
In a wise passiveness.

—

ENGLISH.

SECOND PAPER.

Examiner—PROFESSOR TRENCH.

1. What is the substance of Coleridge's opinions on poetic diction?

2. Describe Cowper's attitude towards Nature as illustrated in *The Task*.

3. Write a note on the characteristics of Tennyson as seen in works written prior to 1851, and compare them with those of his immediate predecessors.

ESSAY.

Subject: The condition of the forces of Romanticism in the year 1800,

FRENCH.

FIRST PAPER.

Examiner—PROFESSOR STEINBERGER.

Translate into French :—

When Lenore had thus learned whither the baron had gone, she walked slowly away in another direction, in order not to meet him—over the brook and through the fields towards the forest. She gazed upon the blue sky and the teeming earth. In the clear morning-light the green tips of the grass glittered so brightly that her heart rejoiced. On the willows by the brook there lay a thin, transparent mist like the breath of spring, the yellow twigs were bursting with sap, and from the swollen buds the first leaves were breaking forth. Lenore tripped with light footstep over the broad belt of sand which surrounded the forest, and hastened along the footpath which led through the pine-trees to the forester's house. The whole forest was full of life and activity: now it was the eager twittering of a pair of little wood-birds, who could not decide on which branch they should build their nest this year, and again it was the hum of a wild bee newly awakened from its winter sleep. Butterflies fluttered from twig to twig. Lenore took off her straw hat and allowed the soft, warm air to blow round her temples.

HISTORY OF THE LANGUAGE.

1. Account for the formation of the feminine of: *aigu*, *vieux*, *paysan*, *frais*.
2. Conjugate, in old French, in the singular of the present subjunctive and of the imperfect indicative, the verb *chanter*.
3. What changes underwent ancient verbs ending in *ier* in middle and modern French? What forms did they assume in the dialects of the North and East.
4. Compare joins with *joignons*, and account for the presence of the *g*.

LITERATURE.

1. Sketch the history of French tragedy from the appearance of Jodelle's *Cléopâtre* to Racine's *Alexandre*.
2. Give a short account of Scarron and le genre burlesque.
3. Write a resumé of the elements that, according to Taine, produced the revolutionary spirit in France.
4. Write a short account of Regnier Balzac.
5. For what reasons was Molière's *l'Avare* received unfavourably when first produced?

FRENCH.

SECOND PAPER.

Examiner—PROFESSOR STEINBERGER.

ESSAY.

Le sentiment de la nature chez les poètes du seizième siècle.

CELTIC.

Examiner—JOSEPH O'NEILL, M.A.

1. Translate into English, with grammatical notes on the underlined words:—

Tá'n ríog-plaié 'na gárdaib ar írliú 'r ar árdaiú
 'S na mílte dá páilteuḡaḡ le muirinn ;
 Tá'n taoide go h-aḡbapaḡ, 'r coill ḡlar aḡ pá' ann,
 'S gnaoi teacḡ ar bántaiú gan milleaḡ ;
 Táid euanḡa, ba gnaḡtaḡ paoi buan-roipm ḡrána.
 ḡo ruaimneacḡ ó éarplaiḡ an rnuioḡmeacḡ,
 Tá cnuarḡar ar eiráḡ 'ḡuinn ná luarḡann an e-ráile,
 Ruacain ip báipniḡ ip duilearḡ.

Táib uairle Óill Áirne go ruairc ag ól pláinte
 'S buan-bioé na lánaimh a gcumann ;
 Táib puán-þóirt ip dánta dá mbualað ar éláirrið
 Ðaé puán-þóirt ar áilleaéit 'p ar binneaéit
 Tá claoélad ar épuaid-éirt, 'p an t-aon-éoir ag
 buad'cann
 Tá gné nuad ar ðruaðnaib ðaé nbuine ;
 Tá'n ppéir mór ar puaiment 'p an pae pór go
 puaimneac
 Ðan caoé-ééó, Ðan buartan, Ðan baille.

Explain fully the 'stress-frame' of this poem, and compare it with the 'stress-frame' of any other poem of O'Rahilly.

2. Translate into Modern Irish :—

Ro-chuala sain rí Temrach, 7 nir-borulúgither dó beith oc
 eistecht ra rucht claidib Conaill; 7 tanic reime co lár-medon
 in chatha, co torchratar ocht céit laech lán-chalma leis; co
 rocht co airm ir-rabe Conchobor, 7 dobert sciáth fri sciáth
 7 dóit fri dóit 7 cinech fri einech do. Ocus ro-thuairgestar
 a sciáth for Conchobor .i. Inn Ochain sciáth Conchobuir.
 Ocus feib ro-geisestar-side ro-geisetar scéith Ulad uile.
 'Maith ám a Ultu,' (ale bar Conchobor), 'nad-fhetar-sa
 cosindiu ar bad chalmu in Galian Lagen na Lúagni na
 Temrach andathi-si.

Write grammatical notes on the underlined words. Who were the 'Galian Lagen' mentioned in the text? From what MSS. is the text taken?

3. Translate the Old Irish of the following glosses into Modern Irish with full grammatical notes on the underlined words :—

(a) ego praesens autem spiritu .i. amal no-n-da frecndircc-sa.
 (b) Si hautem malum feceris, time; non enim sine causa
 gladium portat .i. is deidbir ha áighthiu, ar is do thabirt
 díglae berid in claideb-sin. (c) Ea quae merito prima sunt
 in relationis ordine secunda ponuntur .i. innahi batar buthi

ar thúus, dusrale fo diad. (*d*) Ideo superscriptum esse illum (psalmum) ‘pro torcularibus,’ gl. arnaib damdabchaib .i. huare is sí aimser sin in-déntae estosc inna fíne i ndamdabchaib.

4. Explain fully, with examples, the system of pronoun infixing in the Old Irish verb.

5. Translate into Irish :—

The centre of the English life was Dublin, always a stranger city in Ireland, commonly called then the Young London. The only fault of the city, said the English, was that it was less frequented by strangers because of the bare haven : rather we may say because of its traders’ policy.

Merchants from France and Flanders had once gathered to its great fair of St. James, and ‘offered their wares so dog-cheap as compared to the city merchants that the country was year by year sufficiently stored with strangers’ ; but by the jealousy of the Dublin merchants ‘that famous mart was suppressed and all foreign sail wholly abandoned.’ Even London merchants themselves were refused leave to trade, and London citizens were denied the liberties of Dublin.

While high prices and dearth afflicted the country, while the extraordinary number of beggars that swarmed in the streets made the whole city in effect their hospital, the monopolist merchants rejoiced in great gains.

6. (*a*) Compare critically the two great historical works compiled in Irish in the seventeenth century from the point of view of (1) historical value, (2) literary style and linguistic development.

(*b*) Give a short account of ‘*Cúirt an meádon-oidche,*’ ‘*Eacra Giolla an Úmaráin.*’

7. Write a short Essay in Irish on :—

‘The Munster Poets of the eighteenth century,’

Or,

‘The Influence of the Jacobite wars on Irish Poetry.’

SENIOR SCHOLARSHIP IN MATHEMATICS.

CALCULUS AND SOLID GEOMETRY.

PROFESSOR BROMWICH.

1. Prove that points on the curve

$$4(x^2 + y^2) = 1 + 3y^{\frac{2}{3}}$$

can be expressed in the form

$$x = \cos \theta \left(\frac{1}{2} + \sin^2 \theta \right), \quad y = \sin^3 \theta.$$

Express the relation between θ and the inclination of the tangent to the axis of x ; and calculate the length of the arc.2. If $F'(x) = px^2 + 2qx + r$, prove that

$$\int \frac{F'(x)}{(x-c)^3} dx = \frac{1}{2} \frac{d}{dc^2} \left[F(c) \log \left(\frac{b-c}{a-c} \right) \right], \quad \text{if } b > a > c.$$

3. Express the curve $x^4 + y^4 = xy$ in polar coordinates, and hence find the area of a loop. Sketch the curve

4. Find the length of the curve (in space)

$$x^2 + y^2 = z, \quad \frac{y}{x} = \tan z$$

from the origin to the point $z = 1$.

5. Transform the integral

$$\int_0^u e^{-x} dx \int_0^u e^{-y^2} dy$$

to polar coordinates, and prove that it lies between

$$\int_0^{\frac{\pi}{2}} d\theta \int_0^u e^{-r^2} r dr \quad \text{and} \quad \int_0^{\frac{\pi}{2}} d\theta \int_0^{2u} e^{-r^2} r dr.$$

Hence find

$$\int_0^{\infty} e^{-x^2} dx.$$

6. Find the envelope of a plane cutting off from a given right circular cone an ellipse with a minor axis of given length.

7. Find the locus of points on the hyperboloid

$$ax^2 + by^2 + cz^2 = 1,$$

at which the generators cut at right angles.

[Take $a, b > 0, c < 0$.]

8. If DD' is a diameter of the focal ellipse of the ellipsoid

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1, \quad (a > b > c),$$

and if a tangent plane is drawn to the ellipsoid parallel to the tangents (to the ellipse) at D, D' , prove that the product of the perpendiculars from D, D' on the plane is equal to c^2 .

9. Put down the general equation to the surface of the second degree which contains the axis of z as a generator; and show that (if it is *not* a cone) it contains two sets of real generators.

10. A twisted curve is projected on a fixed plane; κ is the curvature of the original curve and κ_0 is that of the projection.

Prove that $\frac{\kappa_0}{\kappa} = \frac{\cos \beta}{\cos^3 \alpha}$, where α is the inclination of the tangent, and β is the inclination of the osculating plane to the given plane.

PLANE GEOMETRY AND DIFFERENTIAL EQUATIONS.

PROFESSOR BROMWICH.

1. Tangents are drawn to a parabola from a point P : if the bisector of the angle between the tangents is parallel to a fixed line, prove that P lies on a fixed line.

2. The centre of curvature at any point P of an ellipse is O , and normals OQ , OR (not coinciding with OP) are drawn to the curve: find the envelope of QR .

3. Show how to express the coordinates of points on a nodal cubic as rational functions of a parameter t .

From any point P of the curve two tangents PQ , PR are drawn to touch the curve at Q , R : prove that the lines joining the node to Q , R are harmonically conjugate with respect to the tangents at the node.

4. Find the asymptotes, node, and line of inflexions of the cubic

$$x(y^2 - x^2) + 2y^2 + x^2 + x - 1 = 0.$$

Trace the curve.

5. Determine the asymptotes of the curve

$$(x^2 - y^2)^2 + 4y(x^2 - y^2) + 3x^2 + y = 0.$$

Prove that their intersections with the curve lie on a conic.

6. Prove that any differential equation of the type

$$y = x\phi(p) + f(p), \quad \left(p = \frac{dy}{dx}\right)$$

can be solved by differentiation.

Solve $y = \frac{1}{2}(px + a/p)$.

7. Solve the differential equations

$$(1) \quad \frac{d^2y}{dx^2} - 4\frac{dy}{dx} + 4y = x + e^{2x},$$

$$(2) \quad \frac{dx}{dt} - y = e^t, \quad \frac{dy}{dt} + x - 2y = 0.$$

8. Explain how to solve the equation

$$\frac{d^2y}{dx^2} + \chi_1 \frac{dy}{dx} + \chi_2 y = \chi_3,$$

knowing that $y = \xi$ is a special solution when $\chi_3 = 0$.

Solve $x^2 \frac{d^2y}{dx^2} + x \frac{dy}{dx} - y = 3x^2$,

given that ξ may be taken as x .

9. Verify by differentiation that a special integral of the equation

$$\left(\frac{dy}{dx}\right)^2 = \frac{y^3 + 1}{x^3 + 1}$$

is given by

$$x^2y^2 = 4(x + y).$$

10. Integrate the equation

$$(x^3 + 3xy^2) \frac{\partial z}{\partial x} + (y^3 + 3x^2y) \frac{\partial z}{\partial y} = 2(x^2 + y^2)z,$$

and find an integral representing a surface passing through the circle

$$x^2 + y^2 = a^2, \quad z = c.$$

SENIOR SCHOLARSHIP IN NATURAL PHILOSOPHY.

MATHEMATICAL PHYSICS.

Examiner—PRESIDENT ANDERSON.

1. A light string rests on a rough curve in a state bordering on motion: find the ratio of the tensions at any two points.

2. Prove that the locus of straight lines passing through a given point about which the sum of the moments of a given system of forces is zero, is a plane.

3. A particle is projected with given velocity under the action of a central force varying inversely as the square of the distance: show that the path is a conic, and distinguish the different cases that may arise.

4. Prove that the increase in the kinetic energy of a body due to a set of simultaneous impulses is the sum of the products of each impulse by the mean of the initial and final component velocities of its point of action in its own direction.

5. Find the time of oscillation of a uniform square lamina about one side fixed horizontally.

6. Find the attraction at any point due to a uniform rod, and show that the equipotential surfaces are confocal ellipsoids.

7. Show how to find the position of the centre of pressure of a plane area immersed in a heavy, homogeneous liquid. Prove that if the area be turned in all directions about its centre of gravity always keeping totally immersed, the centre of pressure must lie within a certain ellipse in the plane of the area.

8. A solid body is floating partially immersed in water, and receives a small displacement so that the volume of the water displaced is unaltered : find the restoring couple.

9. Find the positions of the primary and secondary foci of a pencil of light obliquely refracted at a spherical surface.

10. Find the longitude of the Sun when the part of the equation of time due to obliquity is greatest.

EXPERIMENTAL PHYSICS.

Examiner—PRESIDENT ANDERSON.

1. Show that the saturated vapour-pressure outside the surface of a liquid sphere is greater than that outside a flat surface of the same liquid.

2. How would you determine by experiment the changes in pressure at a node in an organ-pipe ? and how would you deduce the amplitude of vibration at an antinode ?

3. What are 'summation-tones' ? and what explanations of their existence have been given ?

4. Sulphur has a density of 2.05 just before, and of 1.95 just after, melting ; the melting point being 115°C ., and the latent heat 9.3. Find the alteration in melting point per atmosphere increase of pressure.

5. How is the mean free path of the molecules of a gas obtained when the viscosity is known ?

6. Explain how to convert a beam of plane-polarized light into circularly polarized light by allowing it to pass through a crystal plate of suitable thickness.

7. Investigate the relation which exists between the diameters of successive Newton's rings when a convex lens in optical contact with a flat surface is viewed by homogeneous light.

8. Show that the insertion of a slab of paraffin between two electric charges of opposite sign will increase their mutual attraction.

9. Under what conditions is the discharge of a condenser of given capacity through a coil of known resistance and self-induction oscillatory? Explain fully.

10. Describe Mance's method of measuring the resistance of a battery.

**SENIOR SCHOLARSHIP IN METAPHYSICS,
POLITICAL SCIENCE, AND HISTORY.**

METAPHYSICS.

Examiner—PROFESSOR TRENCH.

1. How does the standpoint of Psychology differ from that of Metaphysics or Ontology, and from that of Logic? Is Psychology 'Philosophy' or 'Science'?

2. It is easier to establish the existence of other bodies than of other minds than our own.

3. A thing is just a sum of relations or of qualities, and self is a name for the sum of self-conscious states.

4. There is little or no difference to our minds between thinking of a reality and representing to ourselves an imaginary picture.

5. If a man who is asleep believes that he is awake, are there any criteria by which a man who is awake may be sure that he is not asleep?

6. Seeing that every action that I perform must be the resultant of specific physical and psychological forces, it is evident that all my actions go to form part of the unbroken chain of causation which nature presents.

POLITICAL SCIENCE.

Examiner—PROFESSOR WARDELL.

[*Not more than SIX questions to be answered, and not more than Two from each section.*]

[A.]

Write Essays on the following subjects:—

1. The work of Sir Henry Maine.
2. The nature of Method in Legal and Political Science.
3. The development of Testamentary Succession.
4. The political philosophy of Burke.
5. The nature of Modern Socialism.
6. The contributions to Political Economy of any *one* of the following—Ricardo, Bagehot, Jevons.

[B.]

7. What do you understand by the terms ‘jus scriptum,’ ‘jus non scriptum,’ ‘legal fictions,’ ‘the elements of a right,’ ‘positive law,’ ‘sanction,’ ‘custom,’ ‘things,’ ‘equity’?

8. State and criticise Maine’s doctrine of the relations between the Law of Nature and the Jus Gentium.

9. Summarise with brief criticisms the results of the Austinian conception of Law.

10. State in outline the principal theories by which men have attempted to account for the origin of political society.

[C.]

11. Define—'rent,' 'political economy,' 'political science,' 'wealth,' 'value,' 'cost of production,' 'normal demand,' 'interest,' 'market,' 'marginal return.'

12. Define a 'tax.' Discuss with reference to taxation the following terms:—'equality,' 'benefit,' 'the justice of taxing the unearned increment.'

13. Define 'bimetallism,' and discuss the various problems which have arisen in connexion with it.

HISTORY.

Examiner—PROFESSOR TRENCH.

Deal with the following subjects in the form of Short Essays:—

1. Parliament during the Commonwealth.
2. Political parties in the reign of Queen Anne.
3. Irish Parliamentary History from 1760 to 1800.
4. The foreign policy of Henry IV.
5. The Girondins.

SENIOR SCHOLARSHIP IN NATURAL HISTORY.

BIOLOGY.

Examiner—PROFESSOR R. J. ANDERSON, M.D., M.A.

1. Give an account of Primates. Refer to their distribution, and their structural peculiarities.
2. Give an account of the life-history of the Fern plant.
3. Dissect the specimen placed on the table.
4. Identify the specimens numbered 1-10.

THE 'DR. AND MRS. W. A. BROWNE'
SCHOLARSHIP.

FRENCH.

FIRST PAPER.

Examiner—PROFESSOR STEINBERGER.

Le candidat traitera en français *un* des sujets suivants :—
De l'utilité des langues modernes.

Ou,

Est-il utile ou seulement agréable de lire des romans ?

FRENCH.

SECOND PAPER.

Examiner—PROFESSOR STEINBERGER.

Translate into French :—

England owes her escape from such calamities to an event which her historians have generally represented as disastrous. Her interest was so directly opposed to the interest of her rulers, that she had no hope but in their errors and misfortunes. The talents and even the virtues of her first six French kings were a curse to her. The follies and vices of the seventh were her salvation. Had John inherited the great qualities of his father, of Henry Beauclerc, or of the Conqueror, nay, had he even possessed the martial courage of Stephen, and had the king of France at the same time been as incapable as all the other successors of Hugh Capet had been, the House of Plantagenet must have risen to unrivalled ascendancy in Europe. But just at this juncture, France, for the first time since the death of Charlemagne, was governed by a prince of great firmness and ability. On the other hand, England, which since the Battle of Hastings had been ruled generally by wise statesmen, always by brave soldiers, fell under the dominion of a trifler and coward. From that moment her prospects brightened. John was driven from Normandy.

Translate into English :—

(a) Voici une grande salle enfumée. Au centre est un vaste poêle, avec deux niches propres à s'asseoir en hiver, pour y fumer, y sommeiller, ou y rêver. Les solives noires sillonnent le plafond jaune ; des pigeons domestiques voltigent çà et là, en murmurant leur roucoulement mélancolique. Une vieille femme, armée de ses lunettes, tricote des bas près du poêle ; une jeune femme fait la cuisine près de la grande fenêtre à gauche ; le cliquetis des ustensiles de ménage se mêle, sans s'accorder, avec la voix sourde et monotone des pigeons qui ramassent, en caquetant, leurs grains sur le carreau. Il y a une petite table de bois blanc vers la droite et un large coffre de chêne tout à côté. L'homme assis à cette table c'est Jean-Paul, génie admirable, un Sterne si vous voulez, un Rabelais s'il vous plaît encore ; quelque chose de plus ou de moins que tout cela, le plus original des écrivains modernes. Il est enveloppé d'une grosse redingote dont la boutonnière est ornée d'une fleur des champs.

(b) Ainsi précipitant leur rapide descente
 Par cette route étroite, encaissée et glissante,
 Depuis longtemps suivant leur chef, et, sans broncher,
 Faisant crouler sous eux le sable et le rocher,
 Les hardis cavaliers couraient dans les ténèbres
 Des défilés en pente et des gorges funèbres
 Qu'éclairait par en haut un jour terne et douteux ;
 Lorsque subitement, s'effondrant devant eux,
 La montagne s'ouvrit sur le ciel comme une arche
 Gigantesque, et, surpris au milieu de leur marche
 Et comme s'ils sortaient d'une noire prison,
 Dans leurs yeux aveuglés l'espace, l'horizon,
 L'immensité du vide et la grandeur du gouffre
 Se mêlèrent, abîme éblouissant. Le soufre,
 L'eau bouillante, la lave et les feux souterrains,
 Soulevant son échine et crevassant ses reins,
 Avaient ouvert, après des siècles de bataille,
 Au flanc du mont obscur cette splendide entaille.
 Et, la terre manquant sous eux, les Conquérants
 Sur la corniche étroite ayant serré leurs rangs,
 Chevaux et cavaliers brusquement firent halte.

GERMAN.

FIRST PAPER.

Examiner—PROFESSOR STEINBERGER.

Gegenstände für einen deutschen Aufsatz :

Die Macht der Gewohnheit ;

oder

Ein Ausflug auf das Land.

GERMAN.

SECOND PAPER.

Examiner—PROFESSOR STEINBERGER.

Translate into German :—

A merchant wanted a clerk. He put an advertisement in a newspaper, and received a number of applications. He interviewed a few applicants, selected one, and sent the others away. This astonished his cashier, who was interested in the business. 'Why,' said he, 'that youth has no recommendations. How could you choose him?' 'You are mistaken,' replied the merchant, 'he had many. First, he wiped his feet when he came in, and closed the door after him, which indicates that he is well bred; then he gave up his seat to a lame old man who had come for the situation; this shows that he is kind-hearted. He picked up a book from the floor and placed it on the table, thus showing that he is careful. I noticed that his clothes were carefully brushed, and his hair well combed, and his teeth as white as snow. When he wrote his name, I noticed that his finger-nails were clean. What I can tell about a lad by using my eyes for five minutes is worth all the letters of recommendation he can bring me.'

Translate into English :—

(a) Der Gesang der Nachtigall, das Säusen des Windes und die herrlichen Lichte, Farben und Gestalten gefallen uns, weil sie unsere Seele angenehm beschäftigen; und da unsere Sinne dazu von der Natur, die auch jenes hervorbringt, so eingerichtet sind, so muß uns auch die künstliche Nachahmung der Natur gefallen. Dagegen ist von der Dichtkunst sonst nirgends äußerlich etwas anzutreffen. Auch schafft sie nichts mit Werkzeugen und Händen; das Auge und das Ohr vernehmen nichts davon, denn das bloße Hören der Worte ist nicht die eigentliche Wirkung dieser geheimen Kunst. Es ist alles innerlich, und wie jene Künstler die äußeren Sinne mit angenehmen Empfindungen erfüllen, so erfüllt der Dichter das Gemüt mit neuen, wunderbaren und gefälligen Gedanken. Er weiß jene geheimen Kräfte in uns nach Belieben zu erregen und gibt uns durch Worte eine unbekannt herrliche Welt zu vernehmen. Wie aus tiefen Höhlen steigen alte und künftige Zeiten, unzählige Menschen, wunderbare Gegenden und die seltsamsten Begebenheiten in uns herauf und entreißen uns der bekannten Gegenwart.

(b) Der Mai ist da mit seinen goldnen Lichtern
 Und seidnen Lüften und gewürzten Düften,
 Und freundlich lockt er mit den weißen Blüthen,
 Und grüßt aus tausend blauen Beilchenaugen,
 Und breitet aus den blumreich grünen Teppich,
 Durchwebt mit Sonnenschein und Morgenthau,
 Und ruft herbei die lieben Menschenkinder.
 Das blöde Volk gehorcht dem ersten Ruf.
 Die Männer ziehn die Pantinghosen an,
 Und Sonntagsröck' mit goldnen Spiegelknöpfen.
 Die Frauen kleiden sich in Unschuldweiß.
 Jünglinge kräuseln sich den Frühlings-Schnurrbart.
 Die Stadtpoeten stecken in die Tasche
 Papier und Bleistift und 'orguett'; und jubelnd
 Zieht nach dem Thor die krausbewegte Schaar,
 Und lagert draußen sich auf grünem Rasen.
 Zu mir kam auch der Mai. Er klopfte dreimal

An meine Thür und rief: Ich bin der Mai,
Du bleicher Träumer, komm, ich will dich küssen!
Ich hielt verriegelt meine Thür, und rief:
Vergebens lockst du mich, du schlimmer Gast.
Ich habe dich durchschaut, ich hab durchschaut
Den Bau der Welt, und hab zu viel geschaut,
Und viel zu tief, und hin ist alle Freude,
Und ew'ge Qualen zogen in mein Herz.

LAW SCHOLARSHIP OF THE FIRST YEAR.

—
ENGLISH LAW.

Real Estate.

Examiner—PROFESSOR CAMPION.

1. Define the following devise, and state the legal grounds on which it is based:—

To A for life; remainder to his then unborn son for life; remainder to the first and other sons of such unborn son in succession in tail.

2. When personal estate is settled with the same limitations as real estate, *i. e.*, to A for life, remainder to his sons successively in tail, state the result as regards the vesting of the personal estate, and the proviso by which that result may be avoided.

3. State the legal grounds on which (before the statute) trustees to preserve contingent remainders effectuated that purpose. Give an example.

4. State the three chief and fundamental changes in the Law of Descent introduced by the 'Descent Act.'

Define the term 'purchaser' within the meaning of that Act.

5. A man in possession of an estate for lives renewable for ever, and general personal estate, dies intestate without issue, but leaving his wife surviving. State the legal rights of the latter (including her right under the Intestate's Estate Act, 1890).

6. Define 'a Resulting Trust.'

7. Before the Statute of Wills, a devise was made 'to *A*, and, if he die without issue, to *B*.' State the nature of the estate thereby created, the legal principles on which founded, and the present statutory change.

8. Define the characteristics of the following:—'joint tenancy,' 'tenancy in common,' 'coparceners.'

9. To what extent, and in protection of what class, is the restraint on alienation (attached to the separate estate of a married woman) qualified by the Married Woman's Property Act?

10. Does the rule against 'perpetuity' apply in the case of an executory interest limited after an estate in tail? State the ground of the answer.

11. Define a 'right of way' by 'prescriptive right,' the nature and character of the user essential to its creation, and how affected by 'unity of possession.'

12. State some of the statutory remedies incidental to a mortgage of fee-simple estate.

Do ordinary debts, simply as such, attach *in rem* on real estate?

JURISPRUDENCE.

Examiner—PROFESSOR WARDELL.

[EIGHT questions only to be attempted.]

1. Write an essay on the nature and use of the analytical and historical methods as applied to Legal and Political Science.

2. State clearly the position assigned to (a) International, (b) Constitutional, Law by the Analytical School. What do

you understand by the term 'Positive Morality'? Explain the definition of Jurisprudence as the 'formal science of positive law.'

3. Summarise the doctrine of the Social Contract as set forth in the seventeenth and eighteenth centuries.

4. Give a brief estimate of the contribution to Political and Legal Science of Aristotle, Machiavelli, Montesquieu, Mill.

5. Explain and criticise the theory of Utilitarianism.

6. Explain clearly what you understand by the doctrine of Sovereignty.

7. Explain the following terms:—'law,' 'laws,' 'equity,' 'a right,' 'a legal right,' 'a right *in personam*,' 'a right antecedent,' 'adjective law,' 'servitude,' 'legal fictions,' '*jus non scriptum*.'

8. Distinguish between 'possession' and 'ownership.' Discuss carefully the elements of possession.

9. Define 'contract.' State the various theories as to the necessity of agreement in contract.

10. What do you understand by 'agnation'? Discuss the patriarchal theory as presented by Maine.

11. Write an essay on the early history of Testamentary Succession.

LAW SCHOLARSHIP OF THE SECOND YEAR.

ENGLISH LAW.

Equity.

Examiner—PROFESSOR CAMPION.

1. Define 'Equity' in the judicial sense of that term, and state the extent to which the legal effect of the Judicature Act fused Law and Equity, also in reference to Jurisdiction.

2. Define the equitable doctrine of 'constructive conversion' where there has been a partial failure of the purposes for which such conversion was directed, and the subsequent devolution of the property (as between the real and personal representatives of the settlor).

3. When in the contract for the sale of property there is an error in the description of the 'Tenure,' state the result.

4. Define 'a resulting trust.'

By what evidence may the presumption in such case be rebutted? State the leading case decided.

5. To what limitation is the maxim that 'Equity follows the law' subject, in regard to equitable interests, as between trusts 'executory' and trusts 'executed'?

6. Define and give an example of 'constructive fraud.'

7. In what respect does 'a *donatio mortis causa*' differ from a gift *inter vivos*? In what respect from a legacy?

8. Give an example of 'constructive trusts,' as distinguished from a trust expressed or implied. State the leading case.

9. Give an example of the equitable doctrine of 'election,' and state the legal principle on which that doctrine is based.

When may election be implied? and by what means?

10. Upon what ground, and to what species of property, is the remedy in Equity of 'specific performance' applicable?—when applicable to chattels?

11. When is a 'parol agreement' for the purchase of real estate taken out of the Statute of Frauds, by 'part-performance'? What must be the nature of the acts of part-performance to effect that purpose?

12. Explain the first maxim in Equity by reference to the sentence '*Damnum sine injuria*,' and the term '*injuria*' in its legal sense.

ROMAN LAW.

Examiner—PROFESSOR WARDELL.

1. Note the principal characteristics of Roman Law under (a) the Regal, (b) the Republican, periods. Trace carefully the methods by which the more important changes were effected.

2. Girard remarks:—‘The sources of the law were most numerous during the Principate.’ Enumerate these sources, and explain their leading features.

3. Summarise the legislative work of Justinian. Notice the principal compilations which had appeared prior to his reign.

4. Explain the meaning of the following terms:—‘Fas,’ ‘Comitia tributa,’ ‘Concilium plebis,’ ‘Jus civile,’ ‘Jus naturale,’ ‘Edictum perpetuum,’ ‘Edictum tralaticium,’ ‘Jus honorarium,’ ‘caput,’ ‘res nullius,’ ‘emphyteusis,’ ‘mutuum.’

5. What was meant by *Capitis Deminutio*? How was it effected? What was the result?

6. Show in detail what was included within *peculium castrense*, *peculium quasi-castrense*, *peculium adventitium* respectively.

7. How was marriage celebrated, and how dissolved, at different times in the history of Rome? State the principal kinds of Dos, and the rules applicable to each case.

8. Explain the functions of a Roman tutor, and describe the mode of his appointment.

9. Classify servitudes, noting briefly the character of the right in each case.

10. Sketch the history of the Roman mortgage.

11. Enumerate the different methods by which things could be acquired.

12. Write a history of the Will in Roman Law.

MEDICAL SCHOLARSHIP OF THE SECOND YEAR.

ANATOMY.

Examiner—PROFESSOR PYE.

1. Give an account of the temporal bone taken as a whole—shape, articulations, position in skull. Add anything you know of its early state. Detailed description of parts is not required.
2. Describe the shaft and lower (articular) end of the femur.
3. Describe the pectineus muscle. Action and innervation are to be included.
4. An account of the movements at the shoulder-joint is required. When describing the movements, the condition of the ligaments at each stage is to be mentioned, and the names of the muscles in action are to be given.
5. Practical examination.

CHEMISTRY.

Examiner—PROFESSOR SENIER.

[*Formulae, Equations, and Diagrams are to be used whenever possible.*]

1. Describe and explain a method for the preparation of (a) ethyl alcohol, starting with methane, and (b) phenol, starting with benzene.
2. Acetic acid contains carbon, hydrogen, and oxygen in the proportions: 41.78 p. c. (C), 6.63 p. c. (H), and 51.59 p. c. (O). Calculate its simplest chemical formula, and also its molecular formula. In the gaseous state acetic acid is nearly thirty times as heavy as hydrogen.
3. Starting with mercury, give an account of the various operations necessary for (a) the preparation of calomel, and (b) the removal of the last traces of corrosive sublimate.

4. Describe and explain the most approved method for determining the composition by weight of (a) ammonia, (b) water, (c) hydrochloric acid.

5. State (a) what you suppose to be the constitution of the molecules of phosphorus and of mercury in the gaseous state, and (b) your reasons for such supposition.

BIOLOGY.

Examiner—PROFESSOR RICHARD J. ANDERSON, M.D., M.A.

1. Give an account of the digestive and circulatory systems in Anodon.

2. Classify Mollusca, and give the chief featural peculiarities of the groups you name.

3. Give the chief divisions of Protozoa, and describe Paramœcium and Amœba.

4. Compare an Actinozoon (Actinia) with a Hydrozoon (Hydra).

5. Compare the skull of Tortoise with the skull of a Ruminant.

6. Write a short account of the calyx, and describe the chief varieties.

7. Describe the parts seen in a microscopic transverse vertical section of a leaf.

8. Define the Malvaceæ, Scrophularineæ, and the Orchidaceæ.

9. Write an account of assimilation in plants, and note the chief steps that lead up to this.

The following papers were also set at this Examination :—

Experimental Physics : see p. 285.

French or German : see pp. 294–296.

MEDICAL SCHOLARSHIP OF THE THIRD YEAR.

PHYSIOLOGY.

Examiner—PROFESSOR PYE.

1. Write an account of the clotting of blood, adding any explanation that appears to you to rest on satisfactory evidence.
2. Give a full description of unstriated muscle-fibre.
3. Make a classification of food-stuffs, giving your reasons for the system you adopt.
4. What do you understand by the term 'ferment' in physiology?
5. Make out a formula for uric acid, giving the facts that support the formula you adopt.

ANATOMY.

Examiner—PROFESSOR PYE.

1. Give an accurate account (anatomically) of the 'internal capsule' of the brain.
2. Taking the atlo-axoid joint as an instance of a pivot-joint, go carefully over (*a*) the anatomical details, (*b*) the movements, (*c*) the purpose served.
3. Describe the renal artery and vein, giving the anatomy of both sides.
4. The anatomy (including relations) of the prostate gland.
5. Describe shortly the anatomy of the short muscles of the thumb.

MATERIA MEDICA.

Examiner—PROFESSOR COLAHAN.

1. What do you understand by a standardized preparation? Enumerate the standardized preparations in the B. P., and give their strengths and doses.
2. Give a therapeutic classification of the 'Liquors' of the B. P., with the doses of those that are used internally.

3. Give the usual toxic effects of drugs, containing phosphorus, arsenic, and mercury, when taken in excess.
4. Give examples of physiological antagonism.
5. Enumerate the official scale preparations of iron. State their distinctive sensible and chemical properties, and describe the preparation of any one of them.

CHEMISTRY.

Examiner—PROFESSOR SENIER.

[Give the results at which you arrive, with full experimental proof.]

1. Colourless crystals. Search for one basic and one acidic radical. [Ammonium oxalate.]
2. Colourless crystals. Search for one basic and one acidic radical. [Potassium thiocyanate or potassium thiosulphate.]
3. Pink powder. Search for one basic and one acidic radical. [Manganese borate.]

MEDICAL SCHOLARSHIP OF THE FOURTH YEAR.

ANATOMY AND PHYSIOLOGY.

Examiner—PROFESSOR PYE.

1. Repeat the evidence in favour of an occipital visual centre.
2. The majority of taste-sensations are complex? How would you eliminate olfactory, temperative, and other elements from a simple taste-sensation? Describe a 'taste-bud' of the tongue.
3. Describe the physiological working of the iris, pointing out the nerve-tracks involved.
4. Describe shortly the procedure in making an analysis of the inorganic constituents of the urine.
5. Practical examination.

MATERIA MEDICA.

Examiner—PROFESSOR COLAHAN.

1. Enumerate the diseases in which the administration of camphor internally or its use externally may prove advisable. State whether any untoward effect may attend its use in excess.

2. Give a classification of drugs acting on the blood. Enumerate the members of each group, and give a general account of the mode of action of each group.

3. Enumerate the alkaloids of the B. P. Give the physiological actions—uses and doses.

4. Enumerate the anæsthetics of the B. P. general and local. Describe the methods of administering them, also the dangers to be feared from their use, and the precaution to be adopted.

5. Write out shortly the treatment you would follow in an ordinary case of—

- (a) Pneumonia,
- (b) Iritis.
- (c) Myxœdema.

—

PRACTICE OF MEDICINE.

Examiner—PROFESSOR LYNHAM, M.D.

1. Give the symptoms and prognosis of acute suppurative hepatitis.

2. What are the symptoms of gastric ulcer? How would you treat this affection?

3. Write a short account of the muscular dystrophies.

4. Describe the symptoms which may result from a hæmorrhage into the pons Varolii.

5. Mention some forms of renal calculi, and describe an attack of renal colic.

SURGERY.

Examiner—PROFESSOR BRERETON.

1. What are the causes and treatment of pyrexia ?
2. Describe the operation of trephining the skull—
 - (a) Incision and removal of circle of bone.
 - (b) After-treatment, how varied ?
3. Describe the three forms of suturing used in uniting wounds of the intestines.
4. What are the symptoms and treatment of peritonitis ?
5. What are the symptoms of strangulated hernia ?

**SENIOR SCHOLARSHIP IN ANATOMY AND
PHYSIOLOGY.**

ANATOMY AND PHYSIOLOGY.

Examiner—PROFESSOR PYE.

1. Describe the optical parts of an ordinary compound microscope. Point out the use of 'deep' eye-pieces, draw-tubes, water-immersion, oil-immersion objectives.

2. A demonstration (for class purposes) is required of the spinal cord. Describe the steps of the necessary dissection.

3. Explain (by reference to developments) the following vestigial structures :—

Hydatids of Morgagni,
Organ of Giraldès,
Sinus pocularis.

4. Describe the condition of the larynx during the emission of sound. To whom is the first direct observation (laryngoscopically) due?

5. What is known (experimentally) of the shape of the stomach during life? Describe the experiments.

[*Further Examination conducted in Laboratory.*]

**ENGINEERING SCHOLARSHIPS OF THE SECOND
YEAR.**

—
M A T H E M A T I C S (1).

PROFESSOR BROMWICH.

1. If

$$x = a^5 + 10a^3n + 5an^2, \quad y = 5a^4 + 10a^2n + n^2,$$

verify that $x^2 - ny^2$ is a perfect fifth power.

Examine the special result given by taking $a = 2, n = 5$.

2. Write out the first five terms in the expansion of $(1+x)^{15}$; and deduce the value of $(1.03)^{15}$ to three decimal places.

Find the present value of £1000 due 15 years hence, allowing 3 per cent. compound interest.

3. If α, β are roots of the equation in x ,

$$\frac{a}{c+x} + \frac{b}{d+x} = 1,$$

prove that

$$a \frac{a+d}{a+c} + b \frac{a+c}{a+d} = \alpha - \beta.$$

4. Calculate from the tables the sine of the angles expressed by 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, in circular measure. Plot these values on squared paper, and draw a smooth curve through them; and, in the same figure, plot a graph of $y = x - \frac{1}{3}x^3$.

5. Given that in a triangle $2b = a + c$, prove that

$$2 \cot \frac{1}{2}B = 3 \tan \frac{1}{2}A + \cot \frac{1}{2}A, \quad \cot \frac{1}{2}C = 3 \tan \frac{1}{2}A.$$

Hence calculate B, C when $A = 80^\circ$.

6. In a quadrilateral, $ABCD$, the sides are given by

$$AB = 7, \quad BC = 10, \quad CD = 12, \quad DA = 15,$$

and the diagonal $AC = 11$: find the other diagonal, BD .

[A scale-diagram or tables may be used.]

7. Solve a triangle, given $a = 11$, $b = 17$, $C = 70^\circ$, proving your formulæ.

8. Establish from first principles the equations

$$\lim_{x \rightarrow 1} \frac{x^{4/5} - 1}{x - 1} = \frac{4}{5}, \quad \frac{d}{dx}(uv) = u \frac{dv}{dx} + v \frac{du}{dx}.$$

9. Find the values of x for which $2x - 3 \operatorname{cosec} x$ has a maximum or a minimum value; and determine whether the expression is then a maximum or a minimum.

10. Find the equation of the tangent to the curve $y = x^2 - 1/x$ at the point $(-1, 2)$; and find where the tangent cuts the curve again.

MATHEMATICS (2).

PROFESSOR BROMWICH.

1. The side BC of a parallelogram $ABCD$ is bisected at M_1 ; AM_1 is joined and cuts the diagonal BD in N_1 . Through N_1 a parallel to AB is drawn to meet BC in M_2 . The process is then repeated: prove that the lengths BM_1, BM_2, BM_3 , etc., are in H. P. Verify your reasoning by making a careful drawing and measuring.

2. The sides BC, CA, AB of a triangle are divided in P, Q, R , so that $BP = 2PC, CQ = 2QA, AR = 2RB$, and the lines AP, BQ, CR are joined: prove that AP is divided into three parts whose ratios are as $3 : 3 : 1$. Verify by making a drawing.

3. Construct a triangle with two angles equal to 60° and 45° , whose area shall be 5 square inches.

4. The three lines OA, OB, OC are not coplanar; AB, AC , are drawn perpendicular to OB, OC , respectively: and BP, CP are drawn in the plane BOC perpendicular to OB, OC . By a diagram, or by calculation, find the lengths AB, AC, OB, OC, CP , when $OA = 3$ inches, $BOC = 65^\circ, COA = 75^\circ, AOB = 55^\circ$, and deduce the dihedral angle between AOC and BOC .

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5. From the corner of a wooden cube, a pyramid is cut away. If the length cut from each of the edges of the cube is 3 inches, find the area of the base of the pyramid, and the perpendicular on the base from the vertex.

6. A solid is formed by joining the centres of adjoining faces of a cube; prove that the solid is an octahedron whose volume is one-sixth that of the cube.

7. Find the equation to the circle passing through the two points $(1, 0)$, $(-1, 0)$ which cuts the circle

$$x^2 + y^2 + 2ax + 2by + c = 0$$

at right angles.

8. The chord PQ of a parabola is at right angles to its axis, and the tangents at P , Q meet the axis in T : prove that any other tangent to the parabola divides TP , TQ into equal parts.

9. A normal is to be drawn to an ellipse so as to make equal angles with the principal axes: calculate the coordinates of the points where the normal cuts the axes.

10. A set square BAC , with the right angle at A , slides so that the side AC moves along a fixed straight line. The point C is joined to P , a fixed point on the paper: prove that the intersection of BA and CP traces out a rectangular hyperbola which passes through P .

CHEMISTRY.

Examiner—PROFESSOR SENIER.

*Formulae, equations, and diagrams are to be used
whenever possible.*

1. How would you determine the composition by weight of (a) hydrochloric acid, (b) ammonia, (c) water?

2. What chemical formula would you assign to nitric oxide? Give your reasons for the formula selected.

3. What is meant by the Periodic Law? Explain its influence on the revision of many atomic weights and the discovery of new elements.

4. (a) Describe a method by which pure oxygen may be converted into ozone, and (b) explain how the molecular formula of ozone has been established.

5. Explain the behaviour of (a) iron, (b) sodium, and (c) calcium, when brought in contact with water at different temperatures.

6. Starting with the ore, give an account of the various processes necessary for the final production of Bessemer steel.

ENGINEERING.

Examiner—PROFESSOR TOWNSEND.

[*The figure attached to each question denotes its value.*]

1. Construct the traces of a plane passing through a point in the vertical plane of projection 3 inches over the ground-line, and making an angle of 55° with the horizontal plane, and an angle of 65° with the vertical plane. [7]

2. Given the traces of a plane, construct the traces of a parallel plane, the perpendicular distance between the planes being given. [8]

3. From the accompanying projections of a sphere and a plane, you are required to find the horizontal projection of the intersection of the plane and the sphere. [8]

4. From the accompanying projections of an oblique cone and of a line, you are required to find the projections of the points where the line meets the cone. [15]

5. A circle whose diameter is $2\frac{1}{2}$ inches rolls in a vertical plane on a given line: construct the curve traced by a point in the plane of the circle 2 inches from the centre. Show how to draw a tangent at any point of the curve. [15]

6. From the accompanying drawings of a hexagonal prism, construct the perspective drawing of the prism. [8]

7. Two points, p and p' , in space are 3 feet and $4\frac{1}{2}$ feet, respectively, over the ground-plane, and their projections on the ground-plane are a and a' ; a is 2 feet to the left and 2 feet distant from the picture-plane, a' is 1 foot to the right

and 5 feet distant from the picture-plane, and these points are behind the picture-plane): find the measuring-point of the line pp' with regard to a measuring vertical line in the picture-plane passing through the point q where the line pp' meets the picture-plane, and construct, by this method, the picture of a point on the line pp' $2\frac{1}{2}$ feet distant from q . The height of the eye is 4 feet, and is distant from the picture-plane 6 feet, and the scale 2 feet to 1 inch. [15]

8. Sketch the capital, architrave, frieze, and cornice of a Grecian Doric Order. [8]

9. Mention some of the best French examples in church architecture of the thirteenth century, and describe how they differ from the English churches of that period. [8]

10. Sketch an open timber hammer-beam roof of the perpendicular style of architecture. [8]

The following papers were also set at this examination:—

Experimental Physics: see p. 285.

French or German: see pp. 276, 277.

Drawings executed in the First Year.

ENGINEERING SCHOLARSHIP OF THE THIRD YEAR.

MATHEMATICS.

PROFESSOR BROMWICH.

1. If a is the greatest and b the least of n numbers a, b, c, \dots, l , whose geometric mean is G , prove that the arithmetic mean is diminished and that the geometric mean is unaltered if we replace a, b by G and ab/G . Deduce that the arithmetic mean is greater than G .

2. The sides BC, AD of a quadrilateral are parallel; P is any point on CD , and CQ, DQ are drawn parallel to PA, PB : prove that Q lies on AB .

3. Three equal spheres rest on a plane in contact : find the radius of a sphere touching the plane and each of the given spheres.

4. Solve the spherical triangle whose sides are 65° , 75° , 55° ; and calculate its area, supposing the radius of the sphere to be 5 inches.

5. The chord PR of a parabola passes through the focus, and PQ is perpendicular to the axis: prove that QR cuts the axis in a fixed point.

6. A circle cuts a rectangular hyperbola in the points A, B, C, D : prove that if AB is a diameter of the circle, CD is a diameter of the hyperbola.

7. Verify that the equation

$$(1 + x^2) \frac{d^2y}{dx^2} + x \frac{dy}{dx} = \frac{1}{4} y$$

is satisfied by taking

$$y^2 = (1 + x^2)^{\frac{1}{2}} \pm 1;$$

where either sign may be used.

8. Find the envelope of normals to the parabola given by $x = t^2$, $y = 2t$.

9. Find the integrals

$$\int \frac{dx}{(x^2 - 1)^{\frac{1}{2}} (x + 1)}, \quad \int_0^{\frac{1}{2}\pi} \sin^3\theta \cos^2\theta d\theta, \quad \int_0^{\frac{1}{2}\pi} \tan^3\theta d\theta.$$

10. A slice of a sphere is bounded by two parallel sections of areas A, B which are at distance h apart: show that a section distant x from the first has an area

$$A(1 - x/h) + Bx/h + \pi x(h - x),$$

and prove that the volume of the slice is

$$\frac{1}{2}(A + B)h + \frac{1}{8}\pi h^3.$$

Find the centroid of the volume.

11. Explain the connexion between the convergence of the series $\sum_0^\infty f(n)$, and that of the integral $\int_0^\infty f(x) dx$, where $f(x)$ steadily decreases to 0 when x increases.

Examine the convergence of the series $\sum_1^\infty n^{-p}$.

CHEMISTRY.

Examiner—PROFESSOR SENIER.

1. Colourless crystals. Search for one basic and one acidic radical. [Ammonium oxalate.]
2. Colourless crystals. Search for one basic and one acidic radical. [Potassium thiosulphate.]
3. Pink powder. Search for one basic and one acidic radical. [Manganese borate.]

Examiner—PROFESSOR TOWNSEND.

[9 is the value of each question with the exception of question 4, which is 19.]

1. Describe what are called errors in graduation and in eccentricity in the theodolite; and state how observations can be made so as to be independent of them.
2. In the instrument set before you read the angle to which the telescope is set.
3. Take out the acreage of the field in the accompanying diagram in statute measure.
4. A paraboloid of revolution has its axis vertical, and it filled with water to a depth of 16 feet, the diameter at the surface of the water being 22 feet. Calculate the time it will take to empty itself through an orifice at the vortex, whose diameter is 6 inches, the coefficient of discharge being $\cdot 62$. [19]
5. Sketch the module designed by Juan de Ribera, which gives a constant discharge, with a varying head of water; and give the equation which determines the shape of the plug.
6. If a second horizontal wire be placed in the diaphragm of a level for the purpose of measuring distances from readings on a staff, calculate the distance in inches between the cross-wires so that 1 foot on the staff, intercepted by the cross-wires, shall correspond to a distance of 3 chains, the focal length of the lens being 12.75 inches.

7. The extreme depths of a cutting are 25 and 31 feet, the base is 30 feet, the length $3\frac{1}{2}$ chains, the slopes $1\frac{1}{2}$ horizontal to 1 perpendicular, and Bidder's tabular numbers black = 1924, red = 68.5. Calculate the number of cubic yards in the cutting, and the number of square yards in the slopes.

8. In a railway curve the angle between the extreme tangents is $130^{\circ} 20'$, and the length of the tangent 1054.83 feet. Calculate the radius, and the distance from the intersection of the extreme tangents to the middle point of the curve.

9. Draw a plan, a vertical longitudinal section, and a vertical cross-elevation of a lead gutter behind a parapet wall; and state the weight of the lead per square foot suitable for such work.

10. Draw a vertical section parallel to the rafters, and showing the construction of a skylight in a roof where the sash is parallel to the slope of the roof, and slightly raised above the slating.

The following paper was also set at this examination :—

Mathematical Physics : see p. 305.

Drawings executed in the Second Year.

SENIOR SCHOLARSHIP IN ENGINEERING.

Examiner—PROFESSOR TOWNSEND.

1. A beam *ad* 29 feet long is supported at the left end *a*, and at a point *c* 20 feet from *a*; it is loaded at a point *b* 8 feet from *a* with 2 tons, and at a point *d* 29 feet from *a* with 1 ton. Find, graphically, the reactions at *a* and *c*, the point of inflexion, and the maximum moment in foot-tons. (Scale of figure, 10 feet to 1 inch; scale of weights, 1 ton to the inch.)

2. In the accompanying diagram of a roof-truss, calculate the stress in each member (+ denoting compression, and - tension) resulting from a load of 8 tons uniformly spread over the truss, using a scale of 2 tons to 1 inch.

3. A beam ac 30 feet long is supported at its left extremity a , and at a point b 20 feet from a ; ab is covered with a load of 4 tons uniformly spread, and a load of 1 ton is placed at the end c . Construct the curve, whose ordinates measured from the line ac give the bending-moments, using a scale of 8 feet to 1 inch for figure, and 10 foot-tons to the inch for moments.

4. Sketch a vertical cross-section of a bull-headed rail and chair, showing how the rail is fastened to the chair. On which side are the keys driven, and state the reasons?

5. Make an enlarged sketch of an ordinary cross-over road between two parallel lines of railway.

6. Sketch a longitudinal vertical section and a vertical cross-section of the axle-box of a railway-carriage, showing how the carriage is supported by the journal of the wheel. If the gauge be 4 feet $8\frac{1}{2}$ inches, what is the distance between the points of support of the carriage on the axle?

7. Sketch two methods of intercepting large and pure rainfalls from sewers, and admitting small and impure rainfalls.

8. The external diameter of a hollow steel shaft is 10 inches, and the internal diameter 8 inches. Find the twisting moment in inch-tons it can transmit with a working-stress of 4 tons per square inch.

9. In the accompanying diagram of a railway-girder the span is 70 feet, the angle of the bracing 45° , the rolling-load 1 ton per foot-run, and the permanent load $\frac{1}{2}$ a ton per foot-run. Calculate the maximum tensile stress in diagonal 2, and the maximum stress in bay C from these two loads combined on the lower flange.

10. Write a specification for steel-plates suitable for girder work.

Drawings executed in the Third Year.

APPENDIX.

FOR the information of Students, abstracts are here given of the regulations of the Royal University of Ireland; of the University of London, as well as of the Licensing Corporations in Medicine, and of the Honourable Society of King's Inns, and the Incorporated Law Society of Ireland. The conditions of admission to the Competitive Examinations for certain Home and Foreign appointments are added.

At the end of each abstract, reference is made to the source from which full information may be obtained. **Students are reminded that these regulations are subject to frequent change.**

- I. Royal University of Ireland.
- II. University of London.
- III. Royal Colleges of Physicians and Surgeons of Ireland, England, and Scotland.
- IV. General Medical Council.
- V. The Bar; and the Incorporated Law Society of Ireland.
- VI. County Surveyorships.
- VII. Engineering Appointments in the General Post Office and in the Admiralty.
- VIII. Naval, Army, and Indian Medical Services.
- IX. Home Civil Service.
- X. Civil Service of India, Eastern Cadetships, etc., etc.

I.—ROYAL UNIVERSITY OF IRELAND.

GENERAL REGULATIONS.

The following Degrees and Diplomas are conferred by the University :—

<i>Arts—</i>		<i>Surgery—</i>	
Bachelor of Arts, . . .	B.A.	Bachelor of Surgery, . . .	B.Ch.
Master of Arts, . . .	M.A.	Master of Surgery, . . .	M.Ch.
Doctor of Literature, . . .	D.Lit.	<i>Obstetrics—</i>	
<i>Mental and Moral Philosophy—</i>		Bachelor of Obstetrics, . . .	B.A.O.
Doctor of Philosophy, . . .	D.Ph.	Master of Obstetrics, . . .	M.A.O.
<i>Science—</i>		<i>Sanitary Science—</i>	
Bachelor of Science, . . .	B.Sc.	A Special Diploma.	
Doctor of Science, . . .	D.Sc.	<i>Mental Diseases—</i>	
<i>Engineering—</i>		A Special Diploma.	
A Special Diploma, Dip. in Eng.		<i>Law—</i>	
Bachelor of Engineering, . . .	B.E.	Bachelor of Laws, . . .	LL.B.
Master of Engineering, . . .	M.E.	Doctor of Laws, . . .	LL.D.
<i>Music—</i>		<i>Agriculture—</i>	
Bachelor of Music, . . .	B.Mus.	A Special Diploma.	
Doctor of Music, . . .	D.Mus.	<i>Teaching—</i>	
<i>Medicine—</i>		A Special Diploma.	
Bachelor of Medicine, . . .	M.B.		
Doctor of Medicine, . . .	M.D.		

All Degrees, Honours, Exhibitions, Prizes, Scholarships, Studentships, and Junior Fellowships in this University shall be open to Students of either sex.

Candidates for any Degree in this University must have passed the Matriculation Examination. Students from other Universities and Colleges are included in this rule.*

MATRICULATION.

Dublin and Local† Centres.

Subjects.

- I. Latin.
- II. Any one of the following Languages:—Greek, French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.
- III. English Language and Literature.
- IV. Elementary Mathematics.
- V. Natural Philosophy.

THE FIRST UNIVERSITY EXAMINATION.

One Academical Year after Matriculation. Dublin and Local† Centres.

Subjects.

- I. Latin.
- II. Any one of the following Languages:—Greek, French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.
- III. English Language and Literature.
- IV. Mathematics.
- V. Natural Philosophy.

* In and after 1906, Students who have passed the Senior Grade Examination of the Intermediate Board (in the prescribed subjects) may be exempted from the Matriculation Examination. For details see p. 47 of the R. U. I. Calendar (1906).

† There is usually a Centre in Queen's College, Galway.

Faculty of Arts.

SECOND UNIVERSITY EXAMINATION IN ARTS.

One Academical Year after First University Examination.
Dublin and Local* Centres.

Subjects.

- I. Latin.
- II. Greek.
- III. English Language and Literature.
- IV. Any one of the following Languages:—French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.
- V. Any one other of the languages under IV.
- VI. Logic.
- VII. Civil and Constitutional History.
- VIII. Mathematics.
- IX. Mathematical Physics.
- X. Experimental Physics.
- XI. Chemistry.
- XII. Botany and Zoology.
- XIII. Geology (including Mineralogy and Physical Geography).

N.B.—Candidates at this Examination must answer in four, and not more than four, of the foregoing thirteen subjects; but each candidate must present, as one of such four subjects, any one of the following:—Latin, Mathematics, Experimental Physics.

* There is usually a Centre in Queen's College, Galway.

B. A. DEGREE EXAMINATION.

One Academical Year after Second University Examination
held in Dublin only.

Subjects.

- I. Latin.
- II. Greek.
- * III. English and History : or either English or History with any one of the following Languages:—French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.
- IV. Logic, and any one of the following :—Metaphysics, Ethics, History of Philosophy, Political Economy.
- V. Mathematics.
- VI. Mathematical Physics.
- VII. Experimental Physics.
- VIII. Chemistry.
- IX. Physiology.
- X. Zoology and Botany.
- XI. Geology, including Mineralogy and Physical Geography.

Pass.—Candidates who desire a Pass Degree only, must answer in any one of the following groups of subjects, to be selected by them when entering for the Examination :—

- A. (1) Latin, (2) Greek, and (3) any one other of the above subjects.*
- B. (1) Latin, (2) Logic, Metaphysics, with History of Philosophy, and (3) either Ethics or Political Economy.
- C. (1) Mathematics, and (2) (3) two others of the above subjects, one of which must be one of those enumerated under heads VI. to XI.

Honours.—Candidates may obtain the B. A. Degree with Honours in the Honour Courses of any one of the following groups of subjects :—

- I. Latin and Greek Languages and Literatures.
- II. English, and any two of the following Languages :—French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.

* Attention is directed to the fact that, to constitute a subject, both English and History require to be supplemented as set forth in III.

- III. Logic, Metaphysics, Ethics, and History of Philosophy.
- IV. Civil and Constitutional History, Political Economy, and General Jurisprudence.
- V. Mathematics and Mathematical Physics.
- VI. Mathematical Physics and Experimental Physics.
- VII. Any two of the following subjects :—
 - i. Experimental Physics.
 - ii. Chemistry.
 - iii. Botany and Zoology.
 - iv. Physiology or Geology.

Any Candidate selecting Group III. will be at liberty to substitute for *Ethics* any one of the three subjects included in Group IV.

Any Candidate selecting Group IV. will be at liberty to substitute English for either Political Economy or General Jurisprudence; but only three-fourths of the marks obtained in English will be counted towards Honours and Exhibitions.

At the Examination in Honour groups for the B.A. Degree, Candidates who fail to obtain Honours may be adjudged to have passed the examination for the B.A. Degree, provided their answering nearly approaches the standard at which Honours are awarded.

M.A. DEGREE EXAMINATION.

One Academical Year after B.A.

Candidates at this Examination will be required to answer in any one of the following groups of subjects :—

- I. Latin and Greek Languages and Literatures.
- II. English, and any two of the following Languages :—French, German, Italian, Spanish, Celtic, Sanskrit, Hebrew, Arabic.
- III. Logic, Metaphysics, Ethics, and History of Philosophy.
- IV. Civil and Constitutional History, Political Economy, and Political Philosophy.
- V. Mathematics and Mathematical Physics.*

*All candidates who present themselves at the M.A. Degree Examination in any group of subjects included in the First Part of the Examination for the D.Sc. Degree, shall, if eligible for both the B.Sc. Degree and for the M.A. Degree, specify for which of these Degrees they desire to present themselves; and they shall be entitled to obtain the Degree only which they so specify.

VI. Mathematical Physics and Experimental Physics.*

VII. Any two of the following subjects:—

- | | |
|---------------------------|-----------------------------|
| i. Experimental Physics.* | iii. Botany and Zoology.* |
| ii. Chemistry.* | iv. Physiology or Geology.* |

Any Candidate selecting Group III. shall be at liberty to substitute for *Ethics* any one of the three subjects included in Group IV.

Any Candidate selecting Group IV. will be at liberty to substitute English for either Political Economy or Political Philosophy; but only three-fourths of the marks gained in English will be counted towards Honours.

D.LIT. DEGREE.

Final Examination, three Academical years after B.A.

D.PH. DEGREE.

Examination, three Academical years after B.A.

B.SC. DEGREE.

Examination, one Academical year from the time of graduating in any Faculty in the University.

D.SC. DEGREE.

Examination, three Academical years after Graduation in any Faculty in the University.

Diploma in Teaching.

The Diploma is conferred only on Graduates in Arts of the Royal University,

The Examination consists of two parts: the first part to be passed by Candidates not less than one Academical Year after graduation, and the second part not less than one Academical Year after passing the first part.

* See foot-note on previous page.

A. Subjects for the First Part of the Examination :—

- i. Mental and Moral Sciences in their relation to Education.
- ii. The History of Education ; the Lives and Works of Eminent Teachers.

B. Subjects for the Second Part of the Examination :—

- i. Methods of Teaching, School Management and Organisation.
- ii. Practical Skill in Teaching.

Faculty of Law.

There are three Examinations in Law :—

1. The First Examination in Law.
2. The Examination for LL.B. Degree.
3. The Examination for LL.D. Degree.

Candidates in Law must be Graduates in Arts of the University.

Faculty of Medicine.

The Course for the Degrees in Medicine, Surgery, and Obstetrics, shall be of at least five Medical years' duration ; but Graduates in Arts or Science who shall have spent a year in the study of Physics, Chemistry, and Biology, and have passed an Examination in these subjects for the Degrees in question, shall be held to have completed the first of the five years of Medical Study.

Candidates for Medical Degrees, who began their Medical Studies after January 1st, 1892, must have been registered by Medical Council for 57 months, and must be fully 21 years of age.

All Candidates for these Degrees, in addition to attending the lectures and complying with other conditions prescribed, must pass the following Examinations :—

- The Matriculation Examination.
- The First University Examination.
- The First Examination in Medicine.
- The Second Examination in Medicine.
- The Third Examination in Medicine.
- The M.B., B.Ch., B.A.O. Degrees Examination.

MEDICAL CURRICULUM.

First Year.

The First Year Course of Medical studies consists of :—

(a) Natural Philosophy, taught experimentally—

Either a Six Months' Course with Lectures (illustrated experimentally) on three days in the week ;

Or, a Three Months' Course with Lectures (illustrated experimentally) on at least five days in the week.

(b) Chemistry, a Six Months' Systematic Course.

(c) Biology—

Botany, a three Months' Course with Lectures and Demonstrations on at least three days in the week.

Zoology, a Three Months' Course with Lectures and Demonstrations on at least three days in the week.

(d) Anatomy, a Six Months' Systematic Course (Optional).

(e) Practical Anatomy (Dissections), a Six Months' Course (Optional).

The Systematic Course in Anatomy and Dissections should enable the Student to acquire a good knowledge of the bones, joints, and muscles, and such knowledge of the vessels and viscera and of the larger nerves, as he may reasonably be supposed to have acquired at this period of his Medical Studies.

(f) Practical Chemistry, a Three Months' Course (Optional).

This attendance must not be simultaneous with attendance at the Systematic Course.

Students who have taken the B.A. Degree in any of the subjects named for the First Year Course of Medical Studies shall, upon the production of certificates of attendance in recognised institutions at proper courses of instruction in such subject or subjects, be exempted from attending any further lectures or passing examinations in such subject or subjects.

But, to entitle a Candidate to any of the privileges here conceded, he must have obtained, at the B.A. Examination in the subject or subjects in which he now claims exemption, Honours, 50 per cent. of the Pass Marks, or the equivalent of this percentage on Honour Papers.

In addition, any Student who may have passed the Second University Examination in Arts, and at such Examination shall have obtained in Biology, either Honours, or 50 per cent. of the Pass Marks, may be exempted from presenting Biology at the First Examination in Medicine ; he must, however, lodge the necessary certificates.

Certificates of attendance upon a Course of Lectures on Natural Philosophy, taught experimentally, will be accepted,

although such attendance may have taken place prior to the Candidate's first year of Medical Studies, provided such course fulfilled the conditions prescribed for the first year of Medical Studies in this subject.

Second Year.

The studies assigned to the Second Year must not be entered upon until the completion of the course assigned to the First Year, that is, until the completion of such a course of study as would qualify a Candidate for admission to the First Examination in Medicine.

The Second Year Course of Medical Studies consists of:—

- (a) Anatomy, a Six Months' Systematic Course (if not attended during the First Year).
- (b) Practical Anatomy [Dissections], a Six Months' Course (if not attended during the First Year).

Students who in the First Year have attended the courses of Anatomy prescribed for the Second Year, may in the Second Year attend the course of Anatomy prescribed for the Third Year.

- (c) Practical Chemistry, a Three Months' Course (if not attended during First Year).
- (d) Physiology, a Six Months' Systematic Course.

The Systematic Course in Physiology should enable the Student to acquire a good knowledge of Physiological Chemistry, and of the following:—Development of tissues; the Physiology of muscle, nerve-fibres, and nerve-cells (but not of the brain and spinal cord); also, the Physiology of blood, lymph, and lymphoid organs, digestion, circulation, respiration, animal heat, secretion and excretion (including the functions of the skin and kidneys). The advanced portions of the subject, *e.g.*, Embryology, the Histology and Physiology of the central nervous system and of the organs of special sense, of voice, and of reproduction, are comprised in the Advanced Systematic Course of Physiology prescribed for the Third Year.

- (e) *Materia Medica*, Pharmacology and Therapeutics, a Three Months' Course (optional). This subject may be studied in either the Second or Third Year of Medical Studies; but it will be included in the subjects of the Third Examination in Medicine.
- (f) Practical Physiology and Histology (optional), a Three Months' Laboratory Course of at least two hours three times a week. One third, at least, of the time shall be devoted to Practical Physiology, and this shall be stated explicitly in the certificate or certificates of attendance. This Course may be taken either in the Second or in the Third Year.
- (g) Hospital Attendance for the Second Year. Attendance during a *Winter* Session of Six Months. (The total Hospital attendance will be as heretofore, *i.e.* Attendance during thirty-three months.)

Third Year.

No certificate of attendance at instruction in any of the branches of study assigned to the Third Year will be accepted where such attendance appears to have taken place prior to the completion of the Second Year of Medical Studies, except as herein provided.

The Third Year Course of Medical Studies consists of:—

- (a) Anatomy, a Six Months' Advanced Systematic Course (if not attended during the Second Year).
- (b) Practical Anatomy [Dissections], a Six Months' Course (if not attended during the Second Year).

The Course of Advanced Systematic Anatomy should be such as to enable Students to perfect their knowledge of the branches of Anatomy prescribed for the Second Examination in Medicine, and also of the whole nervous system and the organs of sense.

- (c) Physiology, a Six Months' Advanced Systematic Course.

The Course of Physiology must be distinct from the Course in the Second Year of Medical Studies. It shall deal expressly with those parts of the subject which are not prescribed for the Second Year's Course, and shall comprise Embryology, the Histology and Physiology of the central nervous system, and of the organs of special sense, of voice, and of reproduction.

- (d) Practical Physiology and Histology (if not attended during the Second Year).
- (e) Any *one* or *two* of the following:—

1. Medicine, a Six Months' Course.
2. Surgery, a Six Months' Course.
3. Midwifery, and Diseases of Women and Children.

This may be attended either as one complete course of at least six months, embracing both branches of the subject, or as two courses of three months each, one in Midwifery, the other in Diseases of Women and Children. These two courses must not be simultaneous.

- (f) Materia Medica, Pharmacology, and Therapeutics, a Three Months' Course (if not attended during Second Year).

- (g) Practical Pharmacy, * a Three Months' Course, with Lectures on at least two days in the week, given in a recognised School in a properly equipped Laboratory by a duly appointed Lecturer on Pharmacy.

(This Course may be attended before, at the same time as, or after that on *Materia Medica*, but must be attended in the Third Year.)

- (h) Hospital Attendance.

Attendance during a *Winter* Session of Six Months, and a *Summer* Session of Three Months at a General Hospital recognised by the University, and at the Clinical Lectures delivered therein.

Any of these attendances may take place at any time during the Third, Fourth, or Fifth Year.

- (i) Fever Hospital.

Attendance during a period of *Three* consecutive months at a Fever Hospital of repute, or in the Fever Wards of a General Hospital. If the attendance takes place during a regular Winter or Summer Session, it may be reckoned as a portion of the prescribed total Hospital attendance of thirty-three months.

But neither attendance at a Fever Hospital, nor the "Personal Charge" of Fever cases, can be recognised, where it takes place prior to attendance at the course of Lectures on the Theory and Practice of Medicine.

- (j) Attendance on at least six *post-mortem* examinations.

- (k) Attendance for at least three consecutive months in a General Hospital as Clinical Clerk, and three consecutive months as Dresser; such attendances not to be simultaneous.

Fourth Year.

No certificate of attendance at instruction in any of the branches of study assigned to the Fourth Year will be accepted, where such attendance appears to have taken place prior to the completion of the Third Year of Medical Studies, except as herein provided.

The Fourth Year Course comprises the following subjects at least:—

- (a) Such of the following as may not have been attended during the Third Year of Medical Studies:—

1. Medicine, a Six Months' Course.
2. Surgery, a Six Months' Course.
3. Midwifery, and Diseases of Women and Children, a Six Months' Course.

* *All* Candidates are required to lodge Certificates of having attended this Course in accordance with these regulations.

(b) Operative Surgery.

The course of instruction must be given in a recognised Medical School by a duly appointed Lecturer in Surgery. The Certificate of attendance must show that the Candidate has attended at least three-fourths of the whole period of the Course, such attendances not to be under any circumstances less than on twenty-four distinct days; and that the Candidate himself has, during such Course, performed at least four major operations on the dead subject under the direction of the Lecturer.

Printed forms for this Certificate may be had on application.

*(c) Medical Jurisprudence, a Three Months' Course.**(d) Pathology, a Three Months' Systematic Course of at least two lectures per week in a recognised Medical School.*

Practical Pathology, a Three Months' Laboratory Course of a least three days per week in a recognised Medical School.

These Courses may be taken simultaneously.

*(e) Ophthalmology and Otology, a Three Months' Systematic Course in a recognised Medical School. This course may be attended either before or the same time as, but not after, the Hospital attendance in these subjects.**(f) Hospital attendance.*

Attendance during a *Winter* Session of Six Months and a *Summer* Session of Three Months at a General Hospital recognised by the University, and at the Clinical Lectures delivered therein.

(g) Fever Hospital.

Attendance during a period of *Three* consecutive months at a Fever Hospital of repute, or in the Fever Wards of a General Hospital, if not attended during Third Year.

*(h) Attendance on at least six post-mortem examinations, if not attended during Third Year.**(i) Attendance for at least three months in a General Hospital as Clinical Clerk, and three months as Dresser; such attendance not to be simultaneous (if not attended during Third Year).**Fourth and Fifth Years.*

Attendance on the remaining parts of the Medical Curriculum may take place during either the Fourth or the Fifth Year. These parts are—

(a) Sanitary Science. A Three Months' Systematic Course in a recognised school. This course shall include practical demonstrations on Hygienic Apparatus and Models, and visits to Institutions and Buildings where Sanitary Appliances may be inspected.

(b) Mental Diseases.

A Three Months' Course in a recognised Institution where Clinical Instruction on Mental Diseases is given.

(c) Practical Midwifery.

Attendance for a period of six months at a recognised Midwifery Hospital, containing not less than fifteen beds in regular occupation where Clinical Instruction in Midwifery and Diseases of Women and Children is given, or for six months at a Midwifery Dispensary recognised by the Senate, where similar Clinical Instruction is given. During this period the Candidate is required to attend at least *twenty* Labours, of *ten* of which at least he must have had personal charge.

(d) Ophthalmology and Otology. Attendance for a period of three months at a recognised Hospital, having at least ten beds devoted to diseases of the Eye and Ear.*(e)* Fever Hospital.

Attendance during a period of *three* consecutive months at a Fever Hospital of repute, or in the Fever Wards of a General Hospital if not already attended.

(f) Attendance on at least six complete *post-mortem* examinations, if not already attended.*(g)* Attendance for at least three months in a General Hospital as Clinical Clerk, and three months as Dresser; such attendances not to be simultaneous; if not already attended.*(h)* Personal charge of at least ten Fever cases.

Printed Forms of Certificate of "personal charge" of cases may be had on application.

N.B.—The expression *personal charge* implies that the student fulfils towards the case the duties commonly assigned to a Clinical Clerk.

Attendance in a Fever Hospital, or on Fever Cases, must not take place during the period of attendance on Practical Midwifery and Gynæcology.

Vaccination.

A course of practical instruction under a Public Vaccinator, including attendance on at least ten distinct days at a Dispensary when vaccination is being performed.

Printed Forms for this Certificate may be had on application.

Fifth Year.

Hospital Attendance. Attendance during a *Winter* Session of Six Months at a recognised General Hospital, and at the Clinical Lectures delivered therein.

EXAMINATIONS IN MEDICINE.

SCHEDULE OF MARKS.*

First Examination.

	Marks.
Natural Philosophy,	100
Chemistry (Systematic),	100
Botany,	75
Zoology,	75

Second Examination.

Anatomy (Theoretical, Practical),	150
Physiology (Theoretical, Practical),	150
Chemistry (Practical),	100

Third Examination.

Anatomy,	100
Physiology,	100
Materia Medica, Pharmacology, and Therapeutics,	80

The M.B., B.Ch., B.A.O. Degrees Examination.

Medicine,	100
Surgery,	100
Midwifery and Gynæcology,	100
Medical Jurisprudence,	50
Pathology,	50
Sanitary Science,	50
Ophthalmology and Otology,	25

M.D. Degree.

Three Academical Years after Primary Degrees.

Subjects:

Medicine and Pathology.

* At all Professional Examinations one-half of the maximum number of marks assigned to a subject will be the general Pass Standard.

M. Ch. Degree.

Three Academical Years after Primary Degrees.

Subjects :

Surgery (Theoretical and Practical), including Ophthalmology and Otology ; Surgical Pathology, Surgical Anatomy and Operative Surgery, with the use of surgical instruments and appliances.

M.A.O. Degree.

Three Academical Years after Primary Degrees.

Subjects :

Midwifery, Diseases of Women and Children, Pathology, Use of instruments and appliances.

Diploma in Sanitary Science (conferred only on Graduates in Medicine of the University one year after obtaining the M.B., B.Ch., B.A.O. Degrees).

Subjects :

Physics.
Climatology.
Chemistry.
Microscopy.
Bacteriology.

Geology.
Sanitary Engineering.
Hygiene, Sanitary Law,
and Vital Statistics.

DIPLOMA IN MENTAL DISEASES (conferred only on Graduates in Medicine of the University). The subjects are those prescribed for the Hutchinson Stewart Scholarship, for proficiency in the treatment of Mental Diseases.

School of Engineering.

B.E. Degree.

All Candidates for the Degree must pass the following Examinations :—

- The Matriculation Examination.
- The First University Examination.
- The First Professional Examination.
- The Second Professional Examination.
- The Degree Examination.

First Professional Examination.

One Academical Year after Matriculation.

No Candidate can be adjudged to have passed this Examination with a view to proceeding to a Degree in Engineering unless he shall have previously passed the First University Examination, or unless he shall pass it in the same calendar year in which he passes this Examination.

Subjects, and Schedule of Marks:*

1. Mathematics,	200.
2. Experimental Physics,	100.
3. Systematic Chemistry,	100.
4. Drawing and Descriptive Architecture,	200.

Second Professional Examination.

One Academical Year after First Professional Examination.

Subjects, and Schedule of Marks:*

1. Mathematics,	200.
2. Mathematical Physics,	100.
3. Practical Chemistry,	100.
4. Practical Engineering,	200.

B.E. Degree.

One Academical Year after Second Professional Examination.

Subjects, and Schedule of Marks:*

1. Mathematical Physics,	200.
2. Geology, including Physical Geography,	100.
3. Civil Engineering,	500.
4. Drawing,	100.

For this Examination, in addition to Mathematical Physics and Geology (including Physical Geography), there shall be a group of compulsory subjects, and also a group of optional subjects, as follows:—

COMPULSORY GROUP.

1. Strength of Materials, Stresses and Strains.
2. Surveying, Levelling, and Mensuration.
3. Drawing.
4. An Elementary knowledge of the Structure of Railways and Roads.

* At all Examinations in Engineering 35 per cent. of the maximum number of marks assigned to a subject will be the general Pass Standard.

OPTIONAL GROUP.

Any two of the following :—

1. Railway Engineering, including Stations and Appliances and a general knowledge of the structure and working of the Locomotive.
2. Harbours, Docks, Rivers, and Canals.
3. Waterworks, including a general knowledge of pumping machinery.
4. County and Municipal work, including Building Construction ; Sanitary Engineering, Sewerage and Refuse Disposal.
5. Electrical Engineering, including Tramways, and the distribution of light and power.

Each of these branches of Engineering shall include the subject of Bridges, Foundations, and Tunnels, so far as these necessarily enter into the construction of the works belonging to that branch.

Diploma in Engineering.

A Diploma in Engineering will be granted to any Candidate who, without having passed the Matriculation and First University Examination, passes the Two Professional and the Degree Examinations.

M.E. Degree.

One Academical Year after B.E.

Candidates must furnish evidence of having spent one year at least under an Engineer in practice after having obtained the Degree of B.E.

Subjects :

1. Applied Natural Philosophy.
2. Engineering.

Diploma in Agriculture.

Candidates for this Diploma must pass the following examinations :—

1. The Matriculation or the Preliminary Examination.
2. The First Examination in Agriculture.
3. The Second Examination in Agriculture.
4. The Diploma Examination.

1. For the Matriculation Examination, see page 245.

For the Preliminary Examination the subjects are:—

- i. English.
- ii. Mathematics.
- iii. Natural Philosophy.

2. For the First Examination in Agriculture the subjects are:—

- i. Book-keeping.
- ii. Mathematics.
- iii. Natural Philosophy.
- iv. Chemistry.
- v. Botany and Zoology.
- vi. Land Surveying.

3. For the second Examination in Agriculture the subjects are:—

- i. Chemistry applied to Agriculture.
- ii. Botany and Zoology.
- iii. Physiology.
- iv. Land Surveying.

4. For the Diploma Examination in Agriculture the subjects are:—

- i. Geology.
- ii. Veterinary Hygiene.
- iii. Economic Science as applied to Agriculture.
- iv. Agriculture, Horticulture, and Forestry.

Degrees in Music.

B.Mus. Degree.

All Candidates for the Degree must pass the following Examinations:—

- The Matriculation Examination.
- The First University Examination.
- The First Examination in Music.
- The Degree Examination.

D.Mus. Degree.

Three Academical Years after B.Mus.

The detailed accounts of the subjects of Royal University Examinations (which may vary from year to year) are to be found in the University Calendar.

Table of University Fees.

	£	s.	d.	£	s.	d.
For the Matriculation Examination,				1	0	0
„ First University Examination,				1	0	0
„ Second University Examination in Arts,				1	0	0
„ B.A. Degree Examination,	1	0	0	3	0	0
Upon admission to Degree,	2	0	0			
For the M.A. Degree Examination,	2	0	0	4	0	0
Upon admission to Degree,	2	0	0			
For the D.Lit. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the D.Ph. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the B.Sc. Degree Examination,	1	0	0	4	0	0
Upon admission to Degree,	3	0	0			
For the D.Sc. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the Studentship Examination,				2	0	0
„ Junior Fellowship Examination,				2	0	0
„ First Professional Examination in Engineering,				1	0	0
„ Second Professional Examination in Engineering,				1	0	0
„ B.E. Degree Examination,	1	0	0	3	0	0
Upon admission to Degree,	2	0	0			
Upon admission to the Diploma in Engineering,				2	0	0
For the M.E. Degree Examination,	2	0	0	4	0	0
Upon admission to Degree,	2	0	0			
For the First Examination in Music,				1	0	0
„ B. Mus. Degree Examination,	1	0	0	3	0	0
Upon admission to Degree,	2	0	0			
For the D. Mus. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the First Examination in Medicine,				1	0	0
„ Second Examination in Medicine,				1	0	0
„ Third Examination in Medicine,				1	0	0
„ Examination for the M.B., B.Ch., B.A.O. Degrees,				2	0	0
„ Qualifying Certificate,				10	0	0
„ M.D. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the M.Ch. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the M.A.O. Degree Examination,	2	0	0	5	0	0
Upon admission to Degree,	3	0	0			
For the Diploma in San. Science Examination,	2	0	0	5	0	0
Upon admission to Diploma,	3	0	0			
For the Examination for Hutchinson Stewart Mental Diseases Scholarship, and Diploma for Mental Diseases,	2	0	0	5	0	0
Upon admission to the Diploma,	3	0	0			
For the Medical Studentship Examination,				2	0	0
For the First Examination in Law,				1	0	0

TABLE OF UNIVERSITY FEES—*continued.*

	£	s.	d.	£	s.	d.
For the LL.B. Degree Examination, . . .	1	0	0	4	0	0
Upon admission to Degree, . . .	3	0	0			
For the LL.D. Degree Examination, . . .	2	0	0	5	0	0
Upon admission to Degree, . . .	3	0	0			
For the Preliminary Examination in Agriculture, . . .				1	0	0
„ First Examination in Agriculture, . . .				1	0	0
„ Second Examination in Agriculture, . . .				1	0	0
„ Diploma in Agriculture Examination, . . .	1	0	0	3	0	0
Upon admission to Diploma, . . .	2	0	0			
For the Diploma in Teaching Examination (First Part), . . .	1	0	0	5	0	0
„ Diploma in Teaching Examination (Second Part), . . .	1	0	0			
Upon admission to Diploma, . . .	3	0	0			
Fee chargeable for late entry for any Examination, . . .				0	10	0

N.B.—A Fee paid for any Examination cannot under any circumstances be returned, or made available for any Examination subsequent to or other than that for which it was paid.

The attention of Students is particularly directed to the notices specifying the last days for sending in notices of intention to be present at Examinations. (Within fourteen days after the date aforesaid, Candidates may enter on paying a late fee of ten shillings additional.)

These dates will be found in the University Calendar.

Exhibitions, Medals, Scholarships, Studentships, and Fellowships in Arts.

1. The following *Exhibitions* may be awarded annually, in Arts, by the Senate:—

At *Matriculation*—Ten First Class of £24 each, and twenty Second Class of £12 each.

At *First University Examination*—Ten First Class of £30 each, and twenty Second Class of £15 each.

At *Second University Examination*—Eight First Class of £36 each, and sixteen Second Class of £18 each.

At *B.A. Degree Examination*—Seven First Class of £42 each, and fourteen Second Class of £21 each.

2. *Dr. Henry Hutchinson Stewart Scholarship in Arts.*

Value £30 annually, tenable for 3 years, awarded in connection with Summer Examinations, on combined Honour marks, at Second University Examination in Arts in the year, and First University Examination in the year immediately preceding, in English and in a Modern language.

3. *Chancellor's Gold Medal for English Prose Composition.*

Subject for 1907—"The Making of the German Empire."

4. *The Dr. and Mrs. W. A. Browne Gold Medal and Prize.*

Limit of age—24 years on 1st day of January of the year in which the Examination is held.

A Gold Medal (value £10) and a Prize of £5 shall be offered each year for competition amongst the candidates for the B.A. Degree Examination (Honours) in Modern Literature, for a colloquial knowledge of the French and German Languages. The Gold Medal will be awarded to the first candidate and the Prize to the second candidate in order of merit.

5. *Medals.*

The Senate may award Gold Medals to those who take first place in any of the Courses appointed for M.A. Degree.

6. *English and Latin Verse Compositions.*

Two Gold Medals are offered annually for competition—the one for the best English Verse Composition, and the other for the best Latin Verse Composition. Each competitor must be either an Undergraduate or a Graduate of not more than one year's standing.

Subjects for 1907.—

English—Egypt.

Latin—The Retreat from Moscow.

All Prose and Verse Compositions must be type-written or printed, and will not be returnable.

7. *Scholarships.*

The Senate offer for competition in October, 1907, twelve Scholarships, tenable for three consecutive years, viz.:—Four First Class at £40 per annum each, four Second Class at £30 per annum each, and

four Third Class at £20 per annum each, and in addition twenty Entrance Exhibitions, namely, eight First Class at £20 each, and twelve Second Class at £10 each.

Of these Scholarships one First Class, one Second Class, and one Third Class are offered for proficiency, respectively, in—

1. Ancient Classics,
2. Modern Literature,
3. Mathematics,
4. Experimental Science;

and of the Exhibitions, two First Class, and three Second Class are offered for competition in each of the foregoing groups.

The Scholarships and Exhibitions are offered on the results of the same Examination—the former to those who, being qualified, obtain the highest number of marks at the Examination: the latter to those who, being qualified, obtain the marks next in order.

The Scholarships* are open to Matriculated Students of the University from the time of their Matriculation up to and including the Scholarship Examination held next after they shall have passed the First University Examination, subject to the following conditions:—

1. That the Candidate shall be under twenty-one years of age on the first day of January of the year in which the Scholarship Examination is held.
2. That the Candidate shall not be a Matriculated Student of any other University.
3. That in the case of the Scholarships in Modern Literature the Candidate shall be a natural-born subject of the Crown.

These Scholarships may be held together with the Exhibitions awarded at the various University Examinations, but no person shall hold more than one Scholarship, and if the answering of any Candidate be such as to qualify for two or more, the Senate shall determine in which subject the Candidate shall be elected a Scholar.

For fuller information the Royal University Calendar should be consulted (pp. 220-228 of the 1906 Calendar).

* The Exhibitions are open to such Students only at the Scholarship Examination held next after the date of their Matriculation.

7. Studentships.

Five are offered annually for competition, value £100 per annum each, tenable for three consecutive years. They are awarded in connexion with M.A. Examinations.

Candidates must be under 26 years of age on the first day of January of the year in which the Studentship Examination is held.

In the year 1907, the groups of Subjects in which Studentships will be awarded are:—

- I. Ancient Classics.
- II. Mathematical Science.
- III. Mental and Moral Science.
- IV. Biological Science.
- V. History, Political Economy and Political Philosophy.

8. Junior Fellowships.

In October, 1907, there will be offered for competition among the Graduates in Arts of the University of not less than two years standing, three Junior Fellowships. Such Fellowships shall be tenable for four consecutive years, and shall be of the annual value of £200 each. Junior Fellows shall be bound to take part in the conduct of University Examinations.

The subjects in which these Fellowships will be awarded will be:—

- I. Natural Science.
- II. Chemistry with Experimental Physics.
- III. The Irish Language and Literature.

Faculty of Law Exhibitions.

The Senate may award the following:—

One First Class Exhibition of £20, and one Second Class Exhibition of £10, at First Examination in Law.

One First Class Exhibition of £42, and one Second Class Exhibition of £21, at LL.B. Degree Examination.

Engineering Exhibitions.

The following may be awarded annually by the Senate:—

One First Class Exhibition of £30, and one Second Class of £15, at First Professional Examination.

One First Class of £36, and one Second Class of £18, at Second Professional Examination.

At B.E. Degree Examination, one First Class of £42, and one Second Class of £21.

Agricultural Exhibitions.

The following Exhibitions may be awarded annually by the Senate :—

At the First Examination in Agriculture, one First Class of £30, and one Second Class of £15.

At the Second Examination in Agriculture, one First Class of £36, and one Second Class of £18.

At the Diploma Examination, one First Class of £42, and one Second Class of £21.

Faculty of Medicine.

The following Exhibitions may be awarded annually by the Senate :—

At *First Examination in Medicine*—Two First Class of £20 each ; two Second Class of £10 each.

At *Second Examination in Medicine*—Two First Class of £25 each ; two Second Class of £15 each.

At *Third Examination in Medicine*—Two First Class of £30 each ; two Second Class of £20 each.

At the *M.B., B.Ch., B.A.O. Degrees Examination*—Two First Class of £40 each ; two Second Class of £25 each.

TRAVELLING MEDICAL SCHOLARSHIP.

An Examination for this Scholarship, value £100, is held in October. The subjects are in rotation :—

Physiology and Pathology (1907).
Anatomy and Histology (1906).

DR. HENRY HUTCHINSON STEWART'S MEDICAL SCHOLARSHIPS.

One, value £10, tenable for three years in subjects of the Autumn Second Examination in Medicine.

One, value £50, tenable for three years, for competition among Medical Graduates of not more than two years' standing, for proficiency in the knowledge of Mental Diseases.

MEDICAL STUDENTSHIP.

A Studentship in Medicine, value £200, tenable for two years, will be offered for competition among Graduates in Medicine of the University in October, 1907.

Subjects of Examination :—

1. Physiology.
 2. Physiological Chemistry.
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II.—UNIVERSITY OF LONDON.

Candidates for Degrees in the University of London are required to pass the General Matriculation Examination.

DEGREES IN THE FACULTY OF ARTS.

Candidates for the Degree of B.A. are required to pass the Intermediate Examination in Arts.

No Candidate will be admitted to the Intermediate Examination within one Academical Year of the time of his passing the Matriculation Examination.

No Candidate will be admitted to the B.A. Examination within one Academical Year of the time of his passing the Intermediate Examination in Arts, nor within three years of his Matriculation.

Candidates for the Degree of M.A. are admitted to the Examination after the lapse of an Academic year from the date of obtaining B.A., provided they have attained the age of twenty.

Candidates for the Degree of D. Lit. must have obtained the Degree of M.A. in the University, and will be admitted to the Examination for the Degree of D.Lit., at an interval of at least one Academical year from the date of the M.A. Examination.

Candidates for the Degree of Bachelor of Science must pass the Matriculation Examination, the Intermediate Examination in Science, and the B.Sc. Examination. One year must elapse between the Matriculation Examination and the Intermediate Examination in Science, one year between the B.Sc. Examination and the Intermediate Examination in Science, and three years between the B.Sc. Examination and the Matriculation Examination. Two Academical years must elapse from date of the B.Sc. Examination before the Candidate can be admitted to the Examination for the Degree of D.Sc.

DEGREES IN THE FACULTY OF LAW.

No Candidate will be admitted to the Intermediate in Laws within nine months from the date of his Matriculation Examination, nor to the LL.B. Degree Examination within less than two years from the date of his Intermediate Examinations in Laws, nor within three years of passing the Matriculation Examination, unless he have already graduated in one of the Faculties of the University, in which case he may be admitted after the lapse of one year.

No Candidate under the age of thirty will be admitted to the Examination for the Degree of LL.D. until after the expiration of two Academical years from the date of his passing the LL.B. Examination.

MEDICINE.

Bachelor of Medicine (M.B.).

Every Candidate for the Degree of Bachelor of Medicine shall be required:—

1. To have passed the Matriculation Examination in this University not less than five years previously.
2. To have passed the Preliminary Scientific (M.B.) Examination not less than four years previously.
3. To have been engaged in his Professional Studies during five years subsequent to Matriculation, and four years subsequent to passing the Preliminary Scientific Examination, at one or more of the Medical Institutions or Schools recognized by this University; one year, at least, of the four to have been spent in one or more of the recognized Institutions or Schools of the United Kingdom.
4. To pass two Examinations in Medicine.

Preliminary Scientific (M.B.) Examination.

No Candidate shall be admitted to this Examination unless he has passed the Matriculation Examination.

Intermediate Examination in Medicine.

No Candidate shall be admitted to this Examination unless he has passed the Preliminary Scientific Examination at least two years previously.

Degrees of M.B., B.S., M.S., and M.D.

No Candidate shall be admitted to the Examination for M.B. within twenty-one months of the time of his passing the Intermediate Examinations.

A Candidate for the Degree of B.S. (Bachelor of Surgery) must have passed the Examination for the Degree of M.B., and produce certain required certificates. Candidates for the Degree of M.S. (Master in Surgery) must have taken the Degree of B.S. at least two years previously, and produce certain required certificates. Candidates for the Degree of M.D. must have taken the Degree of M.B. at least two years previously, and must produce certain required certificates.

Candidates for the Degree of M.D. in *State Medicine* must have taken the Degree of M.B. at least two years previously, and must produce certain required Certificates.

For further information see the Calendar of the University of London, which may be consulted in the College Library.

III.—ROYAL COLLEGES OF PHYSICIANS AND SURGEONS OF IRELAND, ENGLAND, AND SCOTLAND.

A.—*Conjoint Examinations in Ireland by the Royal College of Physicians and Royal College of Surgeons.*

1. Every Student must be registered in the books of the General Medical Council. No credit will be given for study, unless registration shall have been effected within fifteen days of its commencement.

Five years' Course (obligatory on all Candidates commencing their studies on or after 1st January, 1892).

First Professional Examination.

Subjects.

1. Chemistry and Physics.
2. Biology.

Fee, £15 15s.

Second Professional Examination.

Subjects.

1. Anatomy.
2. Physiology and Histology.

Fee, £10 10s.

Third Professional Examination.

Subjects.

1. Pathology.
2. Materia Medica, Pharmacy, and Therapeutics.
3. Forensic Medicine and Public Health.

Fee, £9 9s.

Final Examination.

Subjects.

1. Medicine, including Fevers, Mental Diseases, and Diseases of Children.
2. Surgery, including Operative and Ophthalmic Surgery.
3. Midwifery and Gynæcology, Vaccination, and Diseases of New-born Children.

Fee, £6 6s.

Full information may be had on application to the Secretary of Committee of Management, Royal College of Physicians, Kildare-street, Dublin.

B.—*Regulations of the Examining Board in England (Royal College of Physicians of London and Royal College of Surgeons of England), for Candidates who commenced their Professional Studies on or after 1st January, 1892.*

PROFESSIONAL EXAMINATIONS.

First Examination.

1. Chemistry and Physics. 2. Practical Pharmacy. 3. Elementary Biology.

This Examination may be taken in three parts at different times, or the whole may be taken at one time. Fee, £10 10s.

Second Examination.

1. Anatomy. 2. Physiology. Fee, £10 10s.

Third or Final Examination.

PART I.—Medicine, including Medical Anatomy, Pathology, Practical Pharmacy (if not previously passed), Therapeutics, Forensic Medicine, and Public Health.

PART II.—Surgery, including Pathology, Surgical Anatomy, and the use of Surgical Appliances.

PART III.—Midwifery and Diseases of Women.
Fee (for whole Examination), £21.

Synopses indicating the range of subjects in the several examinations, and full information as to the course of study required, and certificates prescribed, may be obtained of the Secretary, Examination Hall, Victoria Embankment, London, W.C.

C.—*Conjoint Examinations in Scotland of the Royal College of Surgeons and Royal College of Physicians, Edinburgh, and Faculty of Physicians and Surgeons, Glasgow (Triple Qualification), for Candidates who began study on or after 1st January, 1892.*

First Examination.

Elementary Biology, Physics, Chemistry, including Practical Chemistry. Fee, £5.

Second Examination.

Anatomy and Physiology, including Histology. Fee, £5.

Third Examination.

Pathology, Materia Medica, and Pharmacy. Fee, £5.

Final Examination.

1. Medicine, including Therapeutics, Medical Anatomy, and Clinical Medicine;
2. Surgery, including Surgical Anatomy, Clinical Surgery, and Diseases and Injuries of the Eye;
3. Midwifery, and Diseases of Women and of New-born Children;
4. Medical Jurisprudence and Public Health. Fee, £15.

Secretaries for Edinburgh are :—

R. W. Philip, M.D., F.R.C.P.E., R.C.P. EDIN.

Francis Cadell, M.B., F.R.C.S.E., R.C.S. EDIN.

Secretary for Glasgow is :—

Alexander Duncan, B.A., LL.D., F.P. & S. GLAS.

IV.—REGULATIONS PRESCRIBED BY GENERAL MEDICAL COUNCIL RESPECTING MEDICAL COURSES IN AND AFTER 1892.

With regard to the Course of Study and Examinations which persons desirous of qualifying for the Medical Profession shall go through in order that they may become possessed of the requisite knowledge and skill for the efficient practice of the Profession, the General Medical Council have resolved that the following conditions ought to be enforced without exception on *all* who commence their Medical Studies at any time after January 1, 1892 :—

(a) With the exception provided below, the period of Professional Studies between the date of Registration as a Medical Student and the date of Final Examination for any Diploma which entitles its bearer to be registered under the *Medical Acts*, must be a period of *bonâ fide* study during not less than five years.

The first four of the five years of Medical Study should be passed at a School or Schools of Medicine recognised by any of the Licensing Bodies, provided that the First Year may be passed at a University, or Teaching Institution, recognised by any of the Licensing Bodies, where the subjects of Physics, Chemistry, and Biology are taught.

The Examination in the Elements of Physics, Chemistry, and Biology should be passed before the beginning of the Second Winter Session.

The exception referred to above in (a) is as follows :—

Graduates in Arts or Science of any University recognised by the Medical Council, who shall have spent a year in the Study of Physics, Chemistry, and Biology, and have passed an Examination in these subjects for the Degrees in question, should be held to have completed the first of the five years of Medical Study.

V. A.—THE BAR.

Extracts from the Rules (1904) of the Honourable Society of King's Inns :—

“ V.—Every person, not otherwise disqualified, who shall have passed a Public Examination at any University within the British Dominions, or for the First Class of the Home, Colonial, or Indian Civil Service, or for the Consular Service, or who shall be a Student at any of the Inns of Court in

England, having passed the Preliminary Examination therein, shall be entitled to be admitted a Student without passing a Preliminary Examination.

“XI.—Subject to the exceptions mentioned in other Rules, every Student, after admission as a Student, and before being called to the Bar, shall complete a Course of Legal Education, extending over a period of three years at least, commencing with Michaelmas Term, and comprising attendance at Lectures and passing Examinations as prescribed by these Rules, in accordance with the Regulations made by the Education Committee, and in force for the time being.

“XVI.—A Student of any University or College within the United Kingdom which has a Law School connected therewith, other than the University of Dublin, may obtain credit for his First Year’s Legal Education by attending a continuous and complete course, for one legal year, of the Law School in his University or College, and passing the Examinations (if any) held by the Professors during or at the end of each course.”

The initial fees to be paid to the King’s Inns, before admission as a Student, amount in all to £48 11s. For further information as to the procedure apply to the Under Treasurer, King’s Inns, Dublin.

V. B.—INCORPORATED LAW SOCIETY OF IRELAND.

Extracts from Regulations of the Incorporated Law Society of Ireland:—

Matriculated Students of the Royal University of Ireland, or of the Queen’s College, Galway, are exempted from the Preliminary Examination, upon lodging with the Secretary evidence in due form, with the fee of £8 3s. 9d.

A person who has been so exempted may enter into Indentures. For Graduates of the Royal University the period of service is three years. For those who graduate after commencement of apprenticeship, and previous to admission, four years. For those who attend two collegiate years*

* Regulation XLIII is annulled, and the following substituted:—
“Every person who seeks to reduce his period of apprenticeship to four years under the Section 15 of Solicitors’ (Ireland) Act, by attendance at two collegiate years’ law Lectures shall, when lodging notice of intention of presenting himself for Final Examination, also lodge certificates of having attended a first and second years’ College law lectures, and of

Lectures in the Faculty of Law in the Queen's College, Galway, and pass Examinations in connexion therewith, four years. The full period is five years.

The stamp duty upon Indentures is £80.

An Apprentice who graduates as LL.B. of the Royal University is exempt from the Intermediate Examination. All persons must pass the Final Examination before admission.

For further information, apply to the Secretary of the Incorporated Law Society, Solicitors' Buildings, Four Courts, Dublin.

VI. A.—COUNTY SURVEYORSHIPS.

A candidate for the position of County Surveyor, if not existing County Surveyor,

- (a) must on the last day fixed by the County Council for receiving applications be not less than twenty-six years of age and not more than forty years :
- (b) must show that he has been regularly trained as a Civil Engineer and engaged in the practice of his profession in a responsible position in charge of important works for not less than four years : and
- (c) must present himself to the Civil Service Commissioners for literary examination under the Scheme set forth in the Schedule annexed.

It will be necessary for all candidates, if not existing County Surveyors in Ireland, to satisfy the Local Government Board as to age, health, character, and the possession of the necessary practical and professional qualifications, and to satisfy the Civil Service Commissioners as to competency.

Candidates who are existing County Surveyors in Ireland, and have already been certified by the Civil Service Commissioners, will be obliged to satisfy the Commissioners that they have retained their professional knowledge and skill, and the Local Government Board as to age, health, and character.

All Candidates must submit their applications to the County Council within the time fixed by the Council in their advertisement of the vacancy.

A list of applicants will then be forwarded to the Local

having passed the Examination held in connexion with such law lectures."

The effect of this is that a person may attend both of the two years' lectures and pass the Examination mentioned in section 15, Solicitors (Ireland) Act, at any time previously to entering into Indentures, or after entering into Indentures; and this is applicable to both present and future apprentices.

Government Board, and the Board, after the necessary inquiries have been made, will notify the names to the Civil Service Commissioners.

The result of the examination will be notified by the Board to the County Council, by whom the final selection will be made.

LOCAL GOVERNMENT BOARD,
DUBLIN, *August*, 1899.

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SCHEDULE.

EXAMINATIONS FOR COUNTY SURVEYORSHIPS IN IRELAND.

The Examination consists of two parts, and will be in the following subjects, viz. :—

PART I.

MATHEMATICS—including Geometry, Trigonometry, Algebra, Differential and Integral Calculus, and Geometrical Optics.

MECHANICAL PHILOSOPHY—including Statics and Dynamics, Hydrostatics and Hydraulics, Pneumatics, and Heat regarded as a source of Power.

EXPERIMENTAL SCIENCE—including Inorganic Chemistry, Heat, Electricity, and Magnetism.

GEOLOGY AND MINERALOGY.

PART II.

Strength and other properties of Materials, and the Calculation of Stresses and Strains.

(A.) RAILWAY AND CANAL ENGINEERING.

(B.) MARINE ENGINEERING—including Harbour, Dock, Sea, and Reclamation Works.

(C.) HYDRAULIC ENGINEERING—including Water Supply, Sewerage, and Irrigation.

(D.) COUNTY WORKS—including Architecture, Roads, Drainage, and River Works.

Each of the groups lettered (A), (B), (C), (D), to include Designs, Estimates, Specifications, and the mechanical contrivances connected with it.

Candidates must pass in one subject in Part I., and must attain such a standard of proficiency in Parts I. and II, combined as shall satisfy the Civil Service Commissioners.

CIVIL SERVICE COMMISSION,
BURLINGTON GARDENS,
BOND-STREET, W.

June, 1899.

VI. B.—ASSISTANT COUNTY SURVEYORSHIPS.

1. Every person who is appointed an Assistant Surveyor in any County in Ireland must produce satisfactory evidence to the Local Government Board for Ireland that his health and character are good, and, except in the case of an existing Assistant Surveyor within the meaning of section 109 (1) of the Local Government (Ireland) Act, 1898, that at the date of the resolution of the County Council appointing him his age was not less than 21 years, or more than 45 years.

2. Every person appointed as aforesaid who

(a) has a diploma or degree in Engineering from a University or College of Science in the United Kingdom, or a certificate from His Majesty's Civil Service Commissioners, that he is qualified to act as a deputy for a County Surveyor; or

(b) is an Associate Member of the Institution of Civil Engineers, London, or an Associate Member of the Institution of Civil Engineers, Ireland, or has a certificate of having passed the Voluntary Examination for candidates for Surveyorships held by the Incorporated Association of Municipal and County Engineers; or

(c) was on the first day of April, 1899, an Assistant Surveyor in a county in Ireland, or if appointed in any such county between the first day of April, 1899, and the date of this Order, satisfies the Local Government Board for Ireland that he is fully qualified to discharge the duties of his office,

shall be deemed qualified for the position of Assistant County Surveyor without further examination.

3. Every person appointed as aforesaid who is not qualified under the provisions of the foregoing Article of this Order must produce to the Local Government Board for Ireland satisfactory evidence that he has profited by training in one of the two following ways, that is to say, either

(1) By service with a County Surveyor, Civil Engineer, or Architect for not less than two years; or

- (2) By attendance at an Engineering School of some University or College of Science in the United Kingdom for not less than one year, and by having been engaged in practical work in connexion with Civil Engineering or Building for one year at the least.

4. Every person appointed as aforesaid who is not qualified under the provisions of Article 2 of this Order must, in addition to possessing one of the qualifications specified in Article 3, also pass a qualifying examination to the satisfaction of the Local Government Board for Ireland in the following subjects:—

- (1) English Composition as tested by writing a business letter from rough notes, or a short essay on some subject connected with his profession.
- (2) Arithmetic.
- (3) Mensuration.
- (4) Building construction.
- (5) Construction and maintenance of roads.
- (6) Chain surveying and levelling.

9th February, 1900.

Memorandum from Local Government Board for Ireland, dated 5th December, 1904:—

“Attention is drawn to Article 3 of the Regulations as to Assistant Surveyors, dated 9th February, 1900. Provided the Candidate satisfies the Local Government Board that he possesses the qualifications prescribed by that Article, and pays the required fee of 10s., the Board will be prepared to admit him to an Examination of Candidates for qualification as Assistant Surveyors.”

VII. A.—SECOND-CLASS ENGINEERS IN THE GENERAL POST OFFICE.

I. The limits of age for this situation are 22 and 24. Candidates must be of the prescribed age on the first day of the Examination.

II. Candidates will be required to show what technical education and practical training they have undergone to qualify themselves for a situation of this nature. They must satisfy the Civil Service Commissioners that they have had at least two years' training, either in a suitable workshop attached to a College or University, or under a firm of Electrical or Mechanical Engineers of good standing. Evidence on these points must be sent in at such times and in such manner as the Civil Service Commissioners may appoint. If it prove *prima facie* satisfactory, the Candidate will be admitted to Examination, subject to such further inquiry as may be necessary.

Second Class Engineers admitted on the result of the Open Competition will, on entrance, be posted either in London or in the Provinces. They will be eligible for promotion to the higher classes, of which the numbers and pay, as they are at present constituted, are as follows:—

Salary of Office.			
	Minimum.	Annual Increment.	Maximum.
	£	£	£
1 Engineer-in-Chief,	1000	50	1200
2 Assistant Engineers-in-Chief,	700	25	900
1 Principal Staff Engineer,	575	25	700
8 Staff Engineers, 1st Class,	420	20	550
22 Staff Engineers, 2nd Class,	200	15	400
METROPOLITAN AND PROVINCIAL.			
16 Superintending Engineers,	450	20	700
Allowance for London,			50
17 Assistant Superintending Engineers,	330	15	400
Allowance for London,			40
65 Engineers, 1st Class,	250	10	310
Allowance for London,			30
184 Engineers, 2nd Class,	150	10	240
Allowance for London,			20

SYLLABUS OF THE EXAMINATION.

1. English Composition; a short essay on some subject connected with the Engineering profession.

2. Mathematics.*

Arithmetic: The metric system, approximations and rough checks, use of logarithms, evaluation of formulæ for numerical values.

Algebra: Graphs, slope of a graph and rate of increase of function represented, solution of equations by calculation and by graphs, indices and logarithms.

Geometry: The fixing of the position of a point (in a plane or in space) by co-ordinates; the conditions to fix figures in shape, size, and position (only rectilinear figures in shape). Properties of rectangular solid, rectangle, parallelogram, triangle, sphere, circle, and other simple figures. Area of an irregular figure by squared paper or by approximate division into quadrilaterals or triangles, volume of an irregular solid by first finding areas of a number of parallel sections. Similar figures, proportion to be treated algebraically, and all quantities to be considered mensurable. Loci. Drawing curves from given conditions, *e.g.* motion of a point of link work, or conditions given by equations between co-ordinates. Projection of straight line, plane figures, cylinder, cone, prism; interpenetration of these figures; sections; projection of simple helix and square-threaded screw.

Trigonometry: The solution of triangles, and allied problems.

Differential and Integral Calculus: A working knowledge of the notation and fundamental principles in so far as they can be illustrated graphically, and of the expansions in series of $(1+x)^m$, e^x , $\log(1+x)$, $\sin x$, $\cos x$, $\tan^{-1}x$, with simple applications to the properties of curves, to turning-values, and to easy mechanical and physical problems.

3. Applied Mechanics: General principles of mechanics: use and properties of materials: elements of the theory of structures: hydraulics and pneumatics.

4. Electricity and Magnetism: The fundamental principles of the subject treated from an experimental standpoint, with practical tests.

*NOTE.—The questions will be more on applications of the results of Mathematics than on the proofs of those results. Accuracy is of special importance.

5. **Electrical Engineering and Electrical instruments:** The outlines of electro-technology with special reference to the production, distribution, and utilization of electrical energy, and to measuring instruments.
6. (a) Steam, and Stationary Steam Engines ; or
(b) Civil Engineering (including design of structures).
In (b) the design of some such structure as an engine-house or large workshop: details of engineering construction.
7. French or German or Italian (translation and composition).

Subjects 5 and 6 will include Drawing.

CIVIL SERVICE COMMISSION,
November, 1905.

VII. B.— ASSISTANT CIVIL ENGINEERS IN THE ADMIRALTY.

(Supplementary to the General Regulations respecting Open Competitive Examinations for Situations in the Civil Service included in Schedule A of the Order in Council of 4th June, 1870.)

I. The limits of age for this situation are 23 and 28. Candidates must be of the prescribed age on the first day of the Examination.

II. Candidates will be required to show what technical education and practical training they have undergone to qualify themselves for a situation of this nature. They must show to the satisfaction of the Civil Service Commissioners (1) that they have served, for at least three years, in a public or private office, under a Civil Engineer or Architect in good general practice, or a Superintending Engineer of one of His Majesty's Dockyards, or a Commanding Royal Engineer; or (2) that they have in some other capacity acquired a three years' practical experience on important works; and (3) that they have fully profited by their practical training, and possess the necessary qualifications and experience. Evidence on these points must be sent in at such times and in

such manner as the Civil Service Commissioners may appoint. If it prove *prima facie* satisfactory, the Candidate will be admitted to Examination, subject to such further inquiry as may be necessary.

SYLLABUS OF THE EXAMINATION.

	Max. Marks.
1. (a) Mathematics, including Geometry, Trigonometry, and Algebra,	} 500
(b) Applied Mechanics.—General mechanical principles and their application in the designs of structures; calculations of stability, &c.; stresses in ties, beams, shafts under torsion, &c.; framed structures, elements of graphic statics,	
2. (a) Materials of Construction.—Properties and principal uses of steel, timber, stone, brick, cement, &c.; methods of testing materials; results of tests; specifications of the qualities of materials,	} 600
(b) Surveying.—Use of Field Book; traverse survey by prismatic compass, sextant, and theodolite,	
(c) Hydraulic and Sanitary Engineering.—Principles of water supply; general arrangement of drainage; sewage disposal; sanitary fittings; warming and ventilation of buildings; foundations under water; constructions of dams, breakwaters, &c.,	
3. (a) Engineering Drawing.—Design and details of engineering construction,	} 1000
(b) Architectural Drawing.—Designs and details of architectural construction,	
(c) Specifications, Quantities, and Estimates,	
4. English Composition,	200

IV. A fee of £6 will be required from each Candidate attending Examination.

V. Applications for permission to attend an Examination must be made at such times and in such manner as the Commissioners may appoint.

CIVIL SERVICE COMMISSION,
November, 1904.

A MEMORANDUM as to the Salary and Prospects, &c., of the situation is printed below.

Each successful Candidate will accept his appointment subject to the express condition that the Staff of the Department is liable to re-organization from time to time, as the interests of the public service may require, and that no claim

to compensation on his behalf can be admitted if such re-organization shall in effect reduce the number, or alter the conditions of superior appointments in the department. Promotion to higher grades depends on merit, and on the occurrence of vacancies, but no right of promotion to higher classes or grades is recognized.

MEMORANDUM.

The Civil Service Commissioners are authorized by the Lords Commissioners of the Admiralty to make the following announcements :—

1. Assistant Civil Engineers will enter the Admiralty Service on the express understanding that they are liable to serve as required at any of His Majesty's Naval Establishments at home or abroad. No Candidate will be accepted by the Admiralty who fails to satisfy the Medical Director-General of the Navy as to his physical fitness for service abroad.

2. An Assistant Civil Engineer on first entry will be on probation for two years, and will only be retained in the service if found in all respects satisfactory. He will receive a commencing salary of £200 per annum, rising by annual increments of £15 to a maximum of £300.

3. Assistant Civil Engineers are eligible for promotion without further examination (if selected) through the successive grades of—

Civil Engineer—minimum £300, annual increment £20, maximum £500, progress beyond £400 per annum being subject to the officer receiving a special certificate of competency from the Director of Works ;

Civil Engineer—minimum £400, annual increment £20, maximum £500 ;

Superintending Civil Engineer—(a) with minimum £600, annual increment £25, maximum £700, (b) with minimum £700, annual increment £25, maximum £850—to that of Assistant Director of Works—minimum £1000, annual increment £50, maximum £1200.

4. House Allowance is granted—

(a) to Superintending Civil Engineers and Civil Engineers whilst serving in London or at a Home Port,

(b) to all Officers (except Assistant Directors of Works) whilst serving at stations abroad.

5. The Engineer Staff of the Admiralty will be interchangeable with the staff at the Ports, the same prospect of promotion to the higher posts being open to all. It should be clearly understood, however, that promotion will in all cases be governed by merit and not by seniority, and that annual increments of pay are conditional on service being satisfactory.

6. The numbers of the Establishment of each rank are at the present time as follows :—

- 2 Assistant Directors of Works.
- 4 Superintending Civil Engineers (b).
- 7 Superintending Civil Engineers (a).
- 34 Civil Engineers.
- 21 Assistant Civil Engineers.

20th May, 1902.

VIII. A.—COMMISSIONS IN THE MEDICAL DEPARTMENT OF THE ROYAL NAVY.

Limits of Age, 21–28 at date of Examination.

Candidates must be registered under the Medical Act in force, as qualified to practise Medicine and Surgery in Great Britain and Ireland.

Candidates will be examined by the Examining Board in the following compulsory subjects, and the highest number of marks attainable will be distributed as follows :—

	Marks.
(a) Medicine, Materia Medica, Therapeutics, and General Hygiene,	1200
(b) Surgery and Surgical Anatomy,	1200

The Examination in Medicine and Surgery will be in part practical, and will include, beyond papers, the examination of patients, the examination of Pathological specimens, a knowledge of Bacteriology, the performance of operations on the dead body, and the application of Surgical apparatus.

The attention of Candidates is specially drawn to the importance of the section of Operative Surgery, as a competent knowledge in this subject is essential in order to qualify for a Commission.

No Candidate shall be considered eligible who shall not have obtained, at least, **one-third** of the maximum marks in each of the above *compulsory subjects*.

Candidates may be examined in the following voluntary subjects, for which the maximum number of marks obtainable will be:—

Natural Sciences—	Marks.
Chemistry (300); Physiology (300); Zoology (300); Botany (300); Geology and Physical Geography (300),	600
No candidate will be allowed to present himself for examination in more than two of these subjects.	
French and German (300) each,	600

A number less than **one-third** of the marks attainable in each of these voluntary subjects will not be allowed to count in favour of the Candidate who has qualified in the compulsory subjects.

The knowledge of Modern Languages being considered of great importance, all intending competitors are urged to qualify in French and German.

Further information may be had from:—

DIRECTOR-GENERAL,
Medical Department,
Admiralty,
18, Victoria-street,
London, W.C.

ADMIRALTY,
31st October, 1903.

VIII. B.—COMMISSIONS IN THE ROYAL ARMY MEDICAL CORPS.

Limits of Age, 21–28 at date of Examination.

Candidates must possess, under the Medical Acts in force in the United Kingdom at the time of their appointments, a registrable qualification to practise.

SUBJECTS FOR THE ENTRANCE EXAMINATION.

Candidates will be examined by the examining board in medicine and surgery. The examination will be of a clinical and practical character, partly written and partly oral, marks being allotted under the following scheme:—

MEDICINE (*written*).

	Maximum Marks.
A. Examination and Report upon a medical case in the wards of a hospital,	125
B. Commentary upon a case in medicine,	125
[Three hours allowed for A and B together.]	

MEDICINE (*oral*).

A. Clinical cases; Clinical Pathology,	75
B. Morbid Anatomy and Morbid Histology,	75
[One quarter of an hour allowed for each table.]	

SURGERY (*written*).

A. Examination and report upon a surgical case in the wards of a hospital,	125
B. Commentary upon a case in surgery,	125
[Three hours allowed for A and B together.]	

SURGERY (*oral*).

A. Clinical cases, including diseases of the eye; surgical instruments and appliances,	75
[One quarter of an hour allowed for this table.]	
B. Operative surgery and surgical anatomy,	75
Total marks,	800

The following headings are published as a guide to Candidates in drawing up their reports on cases:—

- (a) A brief history of the case as given by the patient, including such points only (if any) in the family or personal history as have a distinct bearing upon the present illness or incapacity.
- (b) A detailed account of the subjective symptoms and physical signs elicited by the candidate's personal examination of the patient, noting the absence of any which might be expected to be present in a similar case.
- (c) Where there is any reasonable doubt in the mind of the candidate as to an exact diagnosis, he is to give the alternatives, with his reasons for making the selection.

- (d) A commentary upon the case as a whole, pointing out the symptoms which may be considered typical, and those which appear to be unusual or only accidental complications.
- (e) Suggestions as to treatment, both immediate and possibly necessary at a later date.
- (f) A forecast of the progress and probable termination of the case.

Similarly the commentary on the report of a case submitted to the Candidate should discuss:—

- (a) The family and personal history and other conditions preceding the development of the condition described.
- (b) The relative significance of the physical signs, symptoms, other indications of disease noted, and the general clinical aspects of the case.
- (c) The diagnosis, with reasons for selection of the most probable, when a positive diagnosis cannot be attained.
- (d) The treatment, dietetic, medicinal, operative, &c., including a criticism of the plan adopted, and alternative schemes of treatment in case of disagreement.
- (e) The morbid appearances, and an account of the *post-mortem* examination (if any).

The examination will be held in London, and will occupy about four days.

The appointments announced for competition will be filled up from the list of qualified Candidates arranged in the order of merit, as determined by the total number of marks each has obtained.

Having gained a place in this entrance examination, the successful candidates will undergo 2 months' instruction in hygiene and bacteriology, after which they will be examined in these subjects. The maximum number of marks obtainable at this examination will be 100.

On completion of the above course lieutenants on probation will be ordered to proceed to the *Depôt* of the Royal Army Medical Corps at Aldershot for a 3 months' course of instruction in the technical duties of the Corps, and at the end of the course will be examined in the subjects taught. The maximum number of marks obtainable at this examination will be 100.

A lieutenant on probation who fails to qualify in either of these examinations will be allowed a second trial, and, should he qualify, will be placed at the bottom of the list. Should he again fail in either examination, his commission will not be confirmed.

Further information may be had from—

THE SECRETARY,
War Office,
68, Victoria Street,
London, S.W.

May, 1902.

VIII. C.—COMMISSIONS IN HIS MAJESTY'S INDIAN
MEDICAL SERVICE.

Limits of Age, 21–28 at date of Examination.

Candidates must possess a diploma, or diplomas, entitling them, under the Medical Acts, to practise both Medicine and Surgery in Great Britain and Ireland.

The following Certificates must be produced:—

- (a) A Certificate of Registration, under the Medical Acts, of the degrees, diplomas, and licenses possessed by the candidate.
- (b) A Certificate of having attended a course of instruction for not less than three months at an Ophthalmic Hospital, or the Ophthalmic Department of a General Hospital, which course shall include instruction in the errors of refraction.

SUBJECTS OF EXAMINATION.

Candidates will be examined by the Examining Board in the following subjects, and the highest number of marks obtainable will be distributed as follows:—

	Marks.
1. Medicine, including Therapeutics,	1,200
2. Surgery, including Diseases of the Eye,	1,200
3. Applied Anatomy and Physiology,	600
4. Pathology and Bacteriology,	900
5. Midwifery, and Diseases of Women and Children, ..	600
6. Chemistry, Pharmacy, and either Botany or Zoology, ..	600

N.B.—The Examination in Medicine and Surgery will be in part practical, and will include operations on the dead

body, the application of Surgical apparatus, and the examination of Medical and Surgical patients at the bedside. The examination in Chemistry will be limited to the elements of the science, and to its application to Medicine, Pharmacy, and Practical Hygiene.

No candidate shall be considered eligible who shall not have obtained at least **one-third** of the marks obtainable in each of the above subjects, and **one-half** of the aggregate marks for all the subjects.

Further information may be obtained from—

THE MILITARY SECRETARY,

India Office,

London, S. W.

January, 1904.

IX.—HOME CIVIL SERVICE.

A.—CLERKSHIPS (CLASS I.).—REGULATIONS.

1. Candidates must have attained the age of 22, and must not have attained the age of 24, on the first day of the Competitive Examination.

Out of the list resulting from each Examination will be filled (provided there be Candidates duly qualified):—

- (a) All the vacancies in Class I. which may have been reported to the Civil Service Commissioners up to the date of the announcement of the result of the Examination.
- (b) Any additional vacancies occurring within six months from the date of the announcement of the result of the Examination, which the Head of the Department may desire to have so filled.

Candidates will be allowed to choose, according to their place on the list, among the vacancies (a) for which they

are duly qualified; or they may elect to wait for the chance of a vacancy (*b*). When vacancies (*b*) occur, they will be offered in rotation to the qualified Candidates then on the list, who will be free to decline them without forfeiting their claim to subsequent vacancies (*b*).

The subjects of Examination for the Home Civil Service are substantially the same as those prescribed for the Indian Civil Service. (p. 138). The Examination Fee is £6.

Further information with regard to appointments in the Post Office, War Office, and Admiralty, may be obtained on application to the Secretary, Civil Service Commission, Burlington Gardens, Bond Street, London, W.

**B.—ASSISTANT EXAMINERS IN THE PATENT OFFICE,
DEPARTMENT OF THE BOARD OF TRADE.**

1. The limits of age for this situation are 20 and 25, and candidates must be of the prescribed age on the first day of the Examination.

2. At the Examination, exercises will be set in the following subjects only :—

	Maximum Marks.
1. English Composition (including Spelling and Hand-writing),	200
2. Geometry (Plane and Solid),	300
3. Mechanics and Mechanism,	600
4. Chemistry—chiefly inorganic, including practical analysis,	400
5. Electricity and Magnetism,	400
6. General Physics, Hydrostatics, Heat, Light, and Sound,	600
7. French or German (translation from the languages into English),	100

No subjects are obligatory, but Candidates must obtain such an aggregate number of marks in the Examination as a whole as may indicate, in the judgment of the Civil Service Commissioners, a competent amount of general proficiency.

CIVIL SERVICE COMMISSION,
16th December, 1902.

C.—JUNIOR APPOINTMENTS IN THE SUPPLY AND ACCOUNTING DEPARTMENTS OF THE ADMIRALTY.

The limits of age for these situations are 18 and 20; and candidates must be of the prescribed age on the first day of the Examination.

The Examination will be in the following subjects:—

CLASS I.

1. Mathematics I. (Elementary, including Arithmetic).
2. Latin.
3. French or German.
4. English Composition.
5. Geography.

CLASS II.

6. Mathematics II. (Advanced).
7. German or French.
8. Greek.
9. English History.
10. Chemistry and Heat.
11. Physics.
12. Physiography and Geology.

All the subjects of Class I. may be taken up. Only two of the subjects of Class II. may be taken up; and if one of these be a Modern Language, it must be different from the Modern Language selected in Class I. No Candidate will be eligible who fails to pass a qualifying examination in Arithmetic and English Composition.

CIVIL SERVICE COMMISSION,
4th October, 1898.

X. A.—CIVIL SERVICE OF INDIA.

No person will be deemed qualified who shall not satisfy the Civil Service Commissioners:—(i.) That he is a natural-born subject of His Majesty. (ii.) That he had attained the age of twenty-two, and had not attained the age of twenty-four, on the first day of August of the year in which the Examination is held. (iii.) That he has no disease, constitutional affection, or bodily infirmity unfitting him, or likely to unfit him, for the Civil Service of India. (iv.) That he is of good moral character.

For the Examination commencing on the 1st August, 1906, application must be made on the prescribed form on or before the 1st July, 1906, accompanied by a list of the subjects in which the Candidate desires to be examined. Further information may be obtained on application to the Secretary, Civil Service Commission, Burlington Gardens, London, W.

Should the evidence upon the above points be *prima facie* satisfactory to the Civil Service Commissioners, the Candidate, on payment of the prescribed fee, will be admitted to the examination.

The Open Competitive Examination will take place only in the following branches of knowledge:—

	Marks.
English Composition,	500
Sanskrit Language and Literature,	600
Arabic,	600
Greek, not less than two sub-divisions, of which one must be Translation:—	
Translation,	300
Composition,	300
Literature, &c.,	300
Latin, not less than two sub-divisions, of which one must be Translation:—	
Translation,	300
Composition,	300
Literature,	300
English,	600
Italian,	600
French,	600
German,	600
Mathematics,	1200
Advanced Mathematics,	1200
Natural Science, <i>i.e.</i> any number not exceeding <i>four</i> of the following:—	
Chemistry,	600
Physics,	600
Geology,	600
Botany,	600
Zoology,	600
Animal Physiology,	600
Greek History (Ancient, including Constitution),	500
Roman History (Ancient, including Constitution),	500
English History, either or both sections may be taken:—	
I. to A.D. 1485,	400
II. A.D. 1485 to 1848,	400
General Modern History,	500
Logic and Psychology,	600
Moral and Metaphysical Philosophy,	600
Political Economy and Economic History,	600
Political Science	500
Roman Law,	500
English Law,	500

Candidates are at liberty to name any of these branches of knowledge, with the proviso that **the maximum number of marks that can be obtained from the subjects chosen is limited to 6000**. If this maximum is exceeded by a candidate's selection, he will be required to indicate one of his subjects the marks for which should, in his case, be reduced so as to bring his maximum marks within the prescribed limit. The marks so reduced will be subject to a correspondingly reduced deduction under the rule mentioned below.

The marks assigned to Candidates in each branch will be subject to such deduction as the Civil Service Commissioners may deem necessary, in order to secure that no credit be allowed for merely superficial knowledge. Marks assigned in English Composition and Mathematics will be subject to no deduction. The Examination will be conducted on paper and *vivá voce*, as may be deemed necessary.

The Examination Fee is £6.

A Syllabus, defining in general terms the character of the Examination in the various subjects, may be obtained on application to the Secretary, Civil Service Commission.

The Candidates who obtain the greatest aggregate number of marks will be deemed to be selected Candidates for the Civil Service of India, provided they appear to be in other respects duly qualified.

Should any of the selected Candidates become disqualified, the Secretary of State for India will determine whether the vacancy shall be filled up or not. In the former case, the Candidate next in order of merit, and in other respects duly qualified, shall be deemed to be a selected Candidate.

CIVIL SERVICE COMMISSION,

1st July, 1905.

X. B.—EASTERN CADETSHIPS

IN THE CIVIL SERVICES OF CEYLON AND OF HONG KONG,
THE STRAITS SETTLEMENTS, AND THE FEDERATED
MALAY STATES.

1. The Cadets, who must be natural-born British subjects, are selected by open competitive examination held by the Civil Service Commissioners, to whom all inquiries on the subject should be addressed.

The examinations for these appointments will, as a rule, be held in the month of August of those years in which vacancies have occurred in the Civil Service of Ceylon or in that of Hong Kong, the Straits Settlements, and the Protected States of the Malay Peninsula ; and the successful Candidates will be allotted, as and when opportunity offers, to the various Colonies or States in which vacancies may exist, upon a consideration of all the circumstances, including their own wishes ; but the requirements of the Public Service will rank before every other consideration, and the Secretary of State retains full discretion to allot as he thinks fit.

2. Candidates must be between the ages of 21 and 24 on the first day of August in the year in which the Examination is held, and must satisfy the Civil Service Commissioners that they are duly qualified in respect of health and character. They must be of sound constitution, possessed of good sight, and physically qualified for service in tropical climates, and they will be called upon to undergo a strict medical examination to test these points.

3. The subjects of the Examination are the same as those prescribed for the Indian Civil Service.

4. Application for permission to attend one of these Examinations must be made in the writing of the Candidate, at such times and in such manner as may be fixed by the Commissioners.

The Examination Fee is £6.

CIVIL SERVICE COMMISSION,
BURLINGTON GARDENS, BOND STREET,
LONDON, W.,

26th August, 1904.

X. C.—STUDENT INTERPRETERS SHIPS

IN THE OTTOMAN DOMINIONS, PERSIA, GREECE, AND MOROCCO.

1. Candidates will be required to satisfy the Civil Service Commissioners :—

- (a) That they are natural-born subjects of His Majesty.
- (b) That their age on the first day of the Examination is not less than 18 nor more than 24.
- (c) That they are duly qualified in respect of health and character.
- (d) That they are unmarried.

2. The Examination will be in the following subjects :—

Obligatory.

- i. Handwriting and Orthography.
- ii. Arithmetic (including Vulgar and Decimal Fractions).
- iii. English Composition.
- iv. French. (Translation from and into French ; writing from dictation ; writing a letter in French on ordinary subjects ; and conversation in French, paying particular attention to accents, genders, and tenses.)
- v. Latin.

Optional.

- i. Ancient Greek.
- ii. Italian.
- iii. German.
- iv. Spanish.

3. A fee of £4 will be required from every Candidate attending the Examination.

CIVIL SERVICE COMMISSION,
7th November, 1901.

X. D.—STUDENT INTERPRETERS SHIPS

IN CHINA, JAPAN, AND SIAM.

The Regulations are similar to those under which the foregoing Examinations are held ; but the subjects of Examination are as follows :—

Obligatory.

- i. Handwriting and Orthography.
- ii. Arithmetic (including Vulgar and Decimal Fractions)
- iii. English Composition.

Optional.

- iv. Précis.
- v. Geography.
- vi. Euclid (Books I. to IV.).
- vii. Latin.
- viii. French.
- ix. German.
- x. (a) The Elements of Criminal Law ;
(b) The principles of British Mercantile and Commercial Law relating to (1) Shipping, (2) Negotiable Instruments, Bills of Exchange, and Promissory Notes, (3) Contracts for the Carriage of Goods, (4) Contracts for Marine Insurance, Bottomry, and Respondentia, (5) Contracts with Seamen, (6) The Doctrines of stoppage *in transitu* and lien.

Notice of these Examinations is given by advertisement in the *London Gazette*, and some other papers.

CIVIL SERVICE COMMISSION,
7th November, 1901.

STUDENTS' SOCIETIES.**STUDENTS' LITERARY AND DEBATING SOCIETY.**

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					{ James A. Brown.
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BIOLOGICAL SOCIETY.

(FOUNDED, 1889.)

This Society meets in the Physiological Laboratory on Friday evenings at 7.30 p.m.

President,	..	..	..	..	Professor Pye.
Secretary,	..	..	..	..	Edward Dowling, B.A.

Q. C. G.

(College Magazine.)

Editors,	{ John T. Donovan, B.A.
						{ Michael Walsh.
						{ James B. M. Armour, B.A.
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ALUMNI ASSOCIATION.

(FOUNDED 20TH MAY, 1904.)

The President and Bursar of the College are *ex-officio* President and Treasurer of the Association.

All Presidents, Professors, and Students of the College, past and present, may become Members of the Association on payment of an entrance subscription of five shillings. There will be no annual subscription. Visitors of the College are Honorary Members.

A circular letter, stating briefly the objects and advantages of the Association, has been sent to all past Members of the College whose addresses could be obtained. Copies can be had on application to the Secretaries.

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	{ W. N. Binns, B.E.
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