

CALENDAR  
OF  
DALHOUSIE COLLEGE  
AND  
UNIVERSITY.

HALIFAX, NOVA SCOTIA.

1894-95.



HALIFAX:  
PRINTED FOR THE UNIVERSITY BY THE NOVA SCOTIA PRINTING CO.  
1894.

1894-5.

## CALENDAR

## TIME TABLE—FACULTIES OF ARTS AND SCIENCE.

From Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9	English.	Inorg. Chem.	Inorg. Chem.	English.	Inorg. Chem.
10	Latin.	Greek.	Latin.	Greek.	Latin.
11	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Mathematics.
12	Botany.	Botany.	Botany.	Botany.	Botany.
1	2nd French.	2nd German.	2nd German.	2nd French.	2nd German.
2	1st German.	1st French.	1st German.	1st French.	1st German.
3	Junior Phil.	2nd French.	2nd French.	2nd French.	Mathematics.
4	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Latin.
5	Latin.	Greek.	Latin.	Greek.	Latin.
6	Jan. Physics.	Jan. Physics.	Jan. Physics.	Junior Physics.	Jan. Physics.
7	English.	2nd French.	English.	2nd French.	English.
8	2nd German.	2nd German.	2nd German.	2nd French.	2nd German.
9	Junior Phil.	Junior Phil.	Junior Phil.	Junior Phil.	Junior Phil.
10	2nd German.	2nd French.	2nd German.	2nd French.	2nd German.
11	Org. Chem.	Const. Hist.	Org. Chem.	Org. Chem.	Const. History.
12	Sen. Physics.	Sen. Physics.	Sen. Physics.	Sen. Physics.	History.
1	Greek (1st yr)	Pol. Economy.	Greek (1st yr)	Pol. Economy.	.....
2	Adv. Classics.	Adv. Classics.	Adv. Classics.	Junior Physics.	.....
3	History.	History.	History.	Adv. Physics.	.....
4	Ethics.	Ethics.	Ethics.	.....	.....
5	Latin.	Greek (2nd yr)	Latin.	Greek (2nd year)	.....
6	Adv. Math.	Adv. Math.	Adv. Math.	Adv. Math.	Adv. Phil.
7	Botany.	Botany.	Botany.	Botany.	Adv. Phil.
8	2nd French.	2nd French.	2nd French.	2nd French.	.....
9	1st German.	1st German.	1st German.	1st German.	.....
10	2nd German.	Senior Phil.	2nd German.	Senior Phil.	.....
11	2nd German.	2nd French.	2nd German.	2nd French.	2nd German.
12	Org. Chem.	Pol. Economy.	Org. Chem.	Pol. Economy.	.....
1	Const. Law.	Const. Law.	Const. Law.	Const. Law.	.....
2	Sen. Classics.	Sen. Classics.	Sen. Classics.	Sen. Classics.	.....
3	Adv. Physics.	Adv. Physics.	Adv. Physics.	Adv. Physics.	.....
4	Ethics.	History.	Ethics.	History.	.....
5	Latin.	Greek (2nd yr)	Latin.	Greek (2nd yr)	.....
6	Adv. Math.	Adv. Math.	Adv. Math.	Adv. Math.	.....
7	Botany.	Botany.	Botany.	Botany.	.....
8	2nd French.	2nd French.	2nd French.	2nd French.	.....
9	1st German.	1st German.	1st German.	1st German.	.....
10	2nd German.	Senior Phil.	2nd German.	Senior Phil.	.....

N. B.—The days and hours of meeting of classes not mentioned in this Time Table will be arranged at the opening of the session.

Theoretical Chemistry (in Laboratory) daily (except Sundays and holidays) from 9 A. M. to 1 P. M.

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(For Errata see page 130.)

# University Almanac, 1894-95.

1894.

Aug. 25, M	—Last day for receiving notices of Supplementary and Matriculation Examinations (Faculty of Law).
26, Tu	—Session (Law Faculty) begins.—Matriculation and Supplementary Examinations (Law Faculty).—Registration and payment of class fees (Law Faculty).—Meeting of Law Faculty, 4 p. m.
27, W	—Meeting of Faculty of Law, 4 p. m.
Sept. 7, F	—Meeting of Senate, 11 a. m.
"    "	—Meeting of Faculty of Arts, 11 a. m.
11, Tu	—1 p. m., Registration of Candidates for Matriculation and Scholarship Examinations (Arts and Science Faculties).
12, W	—Session (Arts and Science Faculties) begins.—Examinations begin for Junior and Senior Matriculation (Arts and Science Faculties); for Young and Professor's Scholarships, and N. S. Alessari Prizes: 8.45 a. m., Latin.—3 p. m., Greek.
13, Th	—10 a. m., Geometry.—2 p. m., Arithmetic and Algebra.
14, F	—10 a. m., History and Geography, Philosophy, Physics.—2 p. m., English.
15, Sa	—10 a. m., French.—3 p. m., German.
17, M	—10 a. m., Chemistry.—3 p. m., Botany.
"    "	—Supplementary Examinations (Arts and Science Faculties) begin, 10 a. m.
18, Tu	—Initiation as to elective subjects to be made by undergraduates of 3rd and 4th years, Arts Faculty, on or before this day.
19, W	—Meetings of Faculties of Arts and Science, 9 a. m.
"    "	—Convocation, 3 p. m.—Opening Address by Prof. Howard Murray.
20, Th	—Matriculation, Registration and Gymnasium. Tickets issued at hours specified in notice in College Hall (Arts and Science Faculties).
"    "	—Lectures begin (Arts and Science Faculties).
26, W	—Matriculation Examinations (Medical Faculty).
Oct. 1, M	—Registration and payment of Class Fees (Medical Faculty).
3, W	—Lectures begin (Medical Faculty).
5, F	—Meeting of Faculty of Law, 4 p. m.
23, W	—Last day for receiving applications for Medical Matriculation Examinations.
"    "	—Final Matriculation Examinations (Arts and Science Faculties) begin: 3 p. m., English, History and Geography.
11, Th	—3 p. m., Classics and Modern Languages.
15, F	—3 p. m., Mathematics.
15, Sa	—10 a. m., Chemistry.
16, Tu	—Meeting of Faculties of Arts and Science, 1 p. m.
18, Th	—Meeting of Faculties of Arts and Science, 4 p. m.
19, F	—Returns as to residence and church attendance to be made on or before this day.
Nov. 5, F	—Meeting of Faculty of Law, 4 p. m.
"    "	—Thanksgiving Day.—No lectures.
"    "	—George Mene Day.—No lectures.
30, F	—Meeting of Faculty of Law, 4 p. m.

- Dec. 14, F. —Christmas Examinations (Arts and Science Faculty) begin:  
 8.45 A. M., Latin.  
 11.15 A. M., French.  
 2.30 P. M., Botany, Junior Philosophy.
- 17, M. — 9.00 A. M., German.  
 11.15 A. M., Mathematics (1st and 2nd years), History (2nd year),  
 Senior Physics.  
 3.30 P. M., English (1st year) Ethics.
- 18, Tu. — 9.00 A. M., Political Economy, Classical History, and Geography.  
 11.15 A. M., English, 3rd, 3rd and 4th years.  
 3.30 P. M., Chemistry (Inorganic and Organic).
- 19, W. — 9.00 A. M., Greek.  
 11.15 A. M., History (6th year), Junior Physics, Applied Mechanics.  
 3.30 P. M., Mathematics (1st and 2nd years), Senior Philosophy.
- 20, Th. — No lectures.—Christmas vacation begins.

## 1905.

- Jan. 9, W. — Lectures resumed.
- 11, F. — Meeting of Faculty of Law, 4 P. M.
- Feb. 1, F. — Meeting of Senate, 4 P. M.  
 " " Meeting of Faculty of Law, 4 P. M.  
 8, F. — Last day of Lectures (Law Faculty).
- 11, M. — Semester Examinations (Law Faculty) begin:  
 10.00 A. M., Constitutional History, International Law.  
 2.30 P. M., Constitutional Law, Shipping.
- 15, Tu. — 10.00 A. M., Orisons, Equity.  
 2.30 P. M., Bills and Notes.
- 18, W. — 10.00 A. M., Torts, Conflict of Laws.  
 3.30 P. M., Real Property (2nd year).
- 14, Th. — 10.00 A. M., Partnerships.  
 2.30 P. M., Real Property (1st year).
- 15, F. — 10.00 A. M., Contracts.
- 27, W. — 2.30 P. M., No lectures.
- March 1, F. — Last day for receiving M. A. Thesis.  
 20, F. — Last day for receiving applications for Primary and Final M. D., C. M. Examinations.
- April 9, Tu. — Last day of Lectures (Arts and Science Faculties)—Last day for returning books to the University Library.—Meeting of Faculties of Arts and Science, 4 P. M.
- 5, F. — Lectures close (Medical Faculty).  
 " " Spring Examinations (Arts and Science Faculties) begin:  
 10.00 A. M., Practical Chemistry.
- 6, Sa. — Class certificates issued (Medical Faculty).
- 8, M. — 8.45 A. M., Latin.  
 11.15 A. M., French.  
 3.00 P. M., Junior Philosophy, Practical Physics.
- 9, M. — Primary and Final M. D., C. M. Examinations begin:  
 9, Tu. — 9.00 A. M., English (1st, 2nd and 4th years).  
 11.15 A. M., Additional French.  
 3.00 P. M., Senior Philosophy, Surgery.
- 10, W. — 9.00 A. M., Botany (4th, Science and Medical Faculties).  
 11.15 A. M., Mathematics, History (2nd year), Senior Physics.  
 3.00 P. M., Additional Latin, Civil Engineering.
- 11, Th. — 9.30 A. M., English (1st year), Additional English (3rd and 4th years).  
 11.15 A. M., Political Economy, Mineralogy.  
 3.00 P. M., Chemistry (Inorganic and Organic).
- 12, F. — Good Friday.

- April 13, Sa. — 9.00 A. M., Greek, Mining.  
 11.35 A. M., History (4th year), Junior Physics, Applied Mechanics.  
 3.00 P. M., Additional Greek (1st and 2nd years).
- 15, M. — 9.00 A. M., Mathematics, Additional Senior Physics.  
 11.15 A. M., Additional Junior Physics.  
 2.00 P. M., Additional Greek (2nd and 4th years), Additional English (1st and 2nd years).
- 16, Tu. — 9.00 A. M., German.  
 11.15 A. M., Additional Mathematics.  
 3.00 P. M., Ethics.
- 18, M. — M. D., C. M. Examinations begin:  
 10.00 A. M.—1 P. M., Anatomy.  
 2.00 P. M.—6 P. M., Surgery.
- 17, W. — 9.30 A. M., Additional Ethics.  
 11.15 A. M., Additional German.  
 3.00 P. M., Additional Senior Philosophy.
- 18, Tu. — 10.00 A. M.—1.30 P. M., Materia Medica.  
 3.00 P. M.—6.00 P. M., Medicine.
- 17, W. — Clinical and Oral Examinations begin (Medical Faculty).  
 10.00 A. M.—1.30 P. M., Physiology.  
 2.00 P. M.—6.00 P. M., Histology, Ostetrics and Diseases of Women and Children.
- 18, Th. — 10.00 A. M.—1.00 P. M., Medical Chemistry and Clinical Examinations.  
 3.00 P. M.—6.00 P. M., Medical Jurisprudence.
- 18, F. — Oral Examinations (Faculty of Medicine) begin.
- 20, Sa. — Meetings of Faculties of Arts and Science, 10 A. M.
- 22, M. — Meeting of Senate, 10.00 A. M.—Results of Examinations (Faculties of Arts Science and Medicine) issued.
- 23, Tu. — Convocations, 2.00 P. M.

N. B.—Dates for Examinations in Special Courses will be arranged by the Professors



## HISTORICAL SKETCH.

DALHOUSIE COLLEGE was founded by the Right Honourable George Ramsay, Ninth Earl of Dalhousie, in 1821, "for the education of youth in the higher branches of science and literature."

The original endowment was derived from funds collected at the port of Castine, in Maine, during its occupation in 1814 by Sir John C. Sherbrooke, then Lieutenant-Governor of Nova Scotia. These funds the British Government authorized the Earl of Dalhousie, Sir John's successor, to expend "in defraying the expenses of any improvement which it might seem expedient to undertake in the Province;" and the Earl, believing that "a Seminary for the higher branches of education is much needed in Halifax—the seat of the Legislature—of the courts of justice—of the military and mercantile Society," decided upon "founding a College or Academy on the same plan and principle of that at Edinburgh," "open to all occupations and sects of religion, restricted to such branches only as are applicable to our present state, and having the power to expand with the growth and improvement of our society."

The original Board of Governors consisted of the Governor-General of British North America, the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief Justice and President of Council, the Provincial Treasurer and the Speaker of the House of Assembly.

After unsuccessful efforts on the part of both the British Government and the Board of Governors to effect a union with King's College, the only other then existing in the Province, this College went into operation in 1838, under the Presidency of the Rev. Thomas McCulloch, D. D., and with a staff of three Professors.

By an Act passed in 1841, University powers were conferred on the College, and the appointment of the Governors was vested in the Lieutenant-Governor and Council.

In 1843 President McCulloch died; and in 1845, the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate."

In 1848, an Act was passed authorizing the Lieutenant-Governor and Council to appoint a new board of Governors "to take such steps for rendering the institution useful and efficient as to His Excellency may seem fit." This Board, from 1849 to 1859, employed the funds of the University to support a High School.

In 1856, the Arts department of the Gorbham College, Liverpool, N. S., was transferred to this College "with a view to the furtherance of the establishment of a Provincial University," and an attempt was made to conduct the Institution as a University under the Act of 1841. This union, however, came to an end in 1857.

In 1863, the College was re-organized under the following Act:—

*An Act for the Regulation and Support of Dalhousie College.*

(Passed the 20th day of April, A. D., 1863.)

WHEREAS, it is expedient to extend the basis on which the said College is established, and to alter the constitution thereof, so as the

benefits that may be fairly expected from its invested capital and its central position may, if possible, be realized, and the design of its original founders, as nearly as may be, carried out,

*Be it enacted by the Governor, Council, and Assembly in Office:—*

1. The Board of Governors now appointed, consisting of the Honorable William Young, the Honorable Joseph Howe, Charles Tupper, S. Leonard Shannon, John W. Ritchie, and James F. Avery, Esquires, shall be a body politic and corporate, by the name and style of the Governors of Dalhousie College at Halifax, and shall have and exercise all usual powers and authorities as such, and have the title, control and disposal of the buildings on the Parade, at Halifax, and of the property and funds belonging to the said College, and hold for the use thereof, by the present Governors; and all vacancies at the Board shall be filled up on recommendations of the remaining members thereof by the Governor-in-Council; and any of the Governors shall be removable by the Governor-in-Council, at the instance of the Board of Governors.

2. Whenever any body of Christians, of any religious persuasion whatsoever, shall satisfy the Board that they are in a position to endow and support one or more chairs or professorships in the said College, for any branch of literature or science, approved of by the Board, such body in making such endowment, to the extent of twelve hundred dollars a year, shall have a right, from time to time, for every chair endowed, to nominate a Governor to take his seat at the Board with the approval of the Board of Governors and of the Governor-in-Council, and shall also have a right, from time to time, to nominate a Professor for such chair, subject to the approval of the Board of Governors; and in the event of the death, removal, or resignation of any person nominated under this section, the body nominating shall have the power to supply the vacancy thus created.

3. The same right of nominating a Professor from time to time shall belong to any individual or number of individuals, who shall endow to the same extent and support a chair or professorship, and to the nominee of any testator by whose will a chair or professorship may be so endowed.

4. The Governors shall have power to appoint, and to determine the duties and salaries of the President, Professors, Lecturers, Tutors, and other officers of the College, and from time to time to make statutes and by-laws for the regulation and management thereof, and shall assemble together as often as they shall think fit, and upon such notice as to them shall seem meet, and for the execution of the trust hereby reposed in them.

5. The said College shall be deemed and taken to be a University, with all the usual and necessary privileges of such institutions; and the students shall have liberty and faculty of taking the degrees of bachelor, master, and doctor, in the several arts and faculties at the appointed times; and shall have liberty within themselves of performing all scholastic exercises for the conferring of such degrees, and in such manner as shall be directed by the statutes and by-laws.

6. No religious tests or subscriptions shall be required of the professors, scholars, graduates, students, or officers of the College.

7. The internal regulations of the said College shall be committed to the Senatus Academicus, formed by the respective chairs or professorships thereof, subject in all cases to the approval of the Governors.

8. The Legislature shall have power, from time to time, to modify and control the powers conferred by this Act.

9. The Acts heretofore passed in relation to Dalhousie College are hereby repealed, except the Act passed in the fourth year of his late Majesty King George the Fourth, entitled, "An Act authorizing the lending of a sum of money to the Governors of Dalhousie College, and for securing the repayment thereof."

This Act was afterwards amended by the following Acts:—

*An Act to amend the Act for the Regulation and Support of Dalhousie College.*

(Passed the 6th day of May, A. D., 1875.)

*Be it enacted by the Governor, Council, and Assembly, as follows:—*

1. The present Board of Governors, consisting of nine persons, shall be increased to a number not exceeding fifteen; and the Board shall be filled up with new nominations made on the same principle as set forth in the first section of the Act hereby amended; and any of the Governors shall be removable, as heretofore, by the Governor-in-Council.

2. The Governors shall have power to affiliate to Dalhousie College any other College desirous of such affiliation, or any schools in arts, in theology, in law, or in medicine, and to make statutes for such affiliation, and for the regulation and management thereof, on the same principles as obtain in other Universities, and to vary and amend such statutes from time to time. Provided always, that such statutes of affiliation, before they go into effect, shall be submitted to and receive the sanction of the Governor-in-Council.

3. So much of chapter 24 of the Acts of 1863, entitled, "An Act for the Regulation and Support of Dalhousie College," or of any other Act, as is inconsistent with this Act, is repealed.

*An Act to provide for the Organization of a Law Faculty in connection with Dalhousie College and for other purposes.*

(Passed the 14th day of April, A. D., 1881.)

*Be it enacted by the Governor, Council, and Assembly, as follows:—*

1. The Governors of Dalhousie College at Halifax, shall, in addition to the powers conferred on them by section 2 of chapter 27 of the Acts of 1875, entitled, "An Act to amend the Act for the Regulation and Support of Dalhousie College," have power to organize a Faculty of Law in connection with such College; and to appoint professors or lecturers in law, and out of the revenues of the College to provide for the maintenance and support of such Faculty, and to make rules for the regulation and management of such Faculty, and for the granting of degrees in law on the same principles as obtain in other universities, and to vary and amend such rules from time to time.

2. Section 3 of chapter 24 of the Acts of 1863, entitled, "An Act for the regulation and support of Dalhousie College," is amended by adding the words "and governor" after the word "professor" in the said section, and any individual who has hitherto endowed a Chair or Chairs in the College shall have a right to nominate a governor for each Chair endowed, in the same way as if section 3 aforesaid had been originally passed as now amended.

3. Section 1 of the said chapter 27 of Acts of 1875, is amended by adding the words "provided, however, that in the event of any body of Christians, individual, or number of individuals, endowing and supporting one or more Chairs or professorships in the said College, as provided by sections 2 and 3 of the Act hereby amended, and of such body of Christians or individuals nominating a professor or governor by virtue thereof, the number of governors may be increased beyond fifteen, but such increase shall be limited to the number of such chairs or professorships as may after the passing of this Act be founded by virtue of said sections 2 and 3."

In pursuance of the Act of 1863, the Presbyterian Church of the Lower Provinces closed their College, and agreed to support two chairs in this University; the Synod of the Maritime Provinces in connection with the Church of Scotland, founded one chair; and the College opened in that year, under the Principalship of Rev. James Ross, D. D., and with an Arts Faculty of six Professors.

In 1868, a Faculty of Medicine was organized, which, in 1875, developed into the Halifax Medical College. In 1885 the Faculty was re-organized.

In 1883 the Faculty of Law, and, in 1891, the Faculty of Pure and Applied Science, were added.

In 1870, GEORGE MURDO, Esq., of New York, a native of this Province, placed in the hands of the Governors the funds necessary for the endowment of a Professorship of Physics. In 1881 he established a Professorship of History and Political Economy. In 1882 he founded a chair of English Language and Literature. In 1883 he added to the staff of the College a Professor of Constitutional and International Law. In 1884 he founded a Professorship of Metaphysics. From 1883 till 1890, he provided Tutors in Classics and Mathematics. Since 1890 he has provided the University with Exhibitions and Bursaries, to the amount of \$81,438.01, which, according to his own desire, have been so offered for competition as to stimulate to greater activity and efficiency the High Schools and Academies of Nova Scotia and the neighboring Provinces.

The Governors desire to place on permanent record their high sense of Mr. Murdo's enlightened public spirit, and their gratitude to him for the excellent manner in which he has come to their help in the work of building up an unsectarian University in Nova Scotia.

To connect the donor's name for all time with the benefits thus conferred both on the University and on his native country, the chairs which he has founded shall be called the GEORGE MURDO CHAIRS OF PHYSICS, OF HISTORY AND POLITICAL ECONOMY, OF ENGLISH LANGUAGE AND LITERATURE, OF CONSTITUTIONAL AND INTERNATIONAL LAW, and OF PHILOSOPHY respectively.

In 1885, ALEXANDER McLEOD, Esq., of Halifax, bequeathed to the University the residue of his estate. The following is an extract from his will:—

"All the residue of my Estate I give and bequeath to the Governors of Dalhousie College or University in the City of Halifax in Trust, that the same shall be invested and form a fund to be called the McLeod University Fund, and the interest and income of which shall be applied to the endowment of three or more professorial chairs in said College as they may deem proper; but this bequest is made upon these conditions, namely, that if at any time the said College or University



Esq., Hon. R. Beak, Alex. McLeod, Esq., John McNab, Esq., Hon. Jeremiah Northup, W. J. Stairs, Esq., and W. P. West, Esq., \$100 each; Thos. A. Brown, Esq., Messrs. Donell & Miller, Messrs. Faxon & Co., John Gibson, Esq., Peter Jack, Esq., Prof. G. Lawson, J. S. Maclean, Esq., Robert Morrow, Esq., Hon. J. W. Ritchie, James Thomson, Esq., and a Friend, \$50 each; with smaller sums amounting to \$643.

The Governors and Alumni are now endeavoring to raise an additional endowment and also a special five years fund to meet current expenses. The following sums have been subscribed:

For Endowments—Thomas E. Fraser, \$200; James W. Carmichael, Prof. Macdonald, Prof. Lawson, Prof. Weldon, Prof. Murray, \$500 each; D. C. Fraser, M. P., J. M. Carmichael, Geo. F. McKay, \$250 each; Sinclair & Patterson, \$240; Hugh McKemie, C. H. Cahoon, \$200 each; J. F. McLeslie, \$150; Israel Longworth, R. J. Turner, Geo. Campbell, Mrs. J. R. Dickie, J. C. Mahon, H. T. Sutherland, Senator McKay, \$100 each; C. A. Robson, \$75; Dr. Burns, \$60; Angus Chisholm, J. Hayward McGregor, P. A. McGregor, S. Fraser, J. H. McKay, W. R. Campbell, W. S. Muir, M. D., Martin Dickie, D. H. Smith, J. G. Murray, F. A. Laurence, M. P. P. Wm. McDonald, W. H. Magee, R. A., \$50 each; Rev. Dr. McCulloch, Rev. T. Cummings, Rev. A. B. Dickie, Donald Grant, Harvey Graham, E. B. Smith, C. M. Dawson, G. Chish, J. P. Archibald, T. E. McLeslie, \$25 each; J. L. Jamieson, \$20; H. W. J., \$10.

For Current Expenses—John Donell, and Adam Burns, \$2,500 each; W. J. Stairs, and Hon. R. Beak, \$1,500 each; Donald Keith, \$1,000; W. B. Ross, \$800; President F. West, \$750; Prof. Johnson, T. Ritchie, B. Russell, Fairbairn, Forrest & Co., Class of 1898, \$500 each; Prof. McGregor, \$400; Drysdale & McLennan, D. A. Campbell, M. D., Prof. D. A. Murray, \$300 each; R. L. Berton, Rev. John McMillan, J. C. Mackintosh, \$200 each; J. A. Turnbull, A. H. McKay, La. D., and Prof. Liechti, \$200 each; Geo. Campbell, M. D., \$150; W. Dennis, H. W. Barnes, W. & J. McDonald, \$125 each; Jas. Thompson, (Picton), J. J. McE. Stewart, J. H. McEwen, A. K. McKinnon, W. D. Cameron, \$100 each; E. M. McDonald, R. L. Schwartz, \$75 each; C. M. Buchanan, Charles Meehan, Thomas Notting, E. P. Allison, Jas. D. McLeslie, Prof. A. G. Laird, Prof. J. E. Crighton, Anderson Rogers, Victor France, H. McElhe, T. J. Calhoun, A. S. Mackenzie, H. B. Stairs, George Patterson, J. A. Mackintosh, \$50 each; Rev. G. M. Grant, H. S. Congdon, A. M. Morrison, Andrew Chumey, Miss Ida G. McDonald, Miss Minnie Litchell, W. S. Thompson, Hedley Ross, Edward Amund, George E. Ross, Rev. G. S. Cress, F. C. U. Mearns, V. J. Paton, C. W. Lane, A. Roberts, D. Stewart, M. D., R. Currie, \$25 each. A. J. McDonald, \$20; J. A. Grierson, \$15; W. W. Walsh, \$10.

The work of securing subscriptions is still going on. The Alumni have secured a large number of subscriptions in New Brunswick and different parts of Nova Scotia, but the full lists have not yet been handed in. They will be published in the next Calendar.

For other benefactions, see under headings: Library, Museum, and Gymnasium.

In addition to the members of the present staff, the following have been Professors or Lecturers in the University:—

- REV. THOMAS MCCULLOCH, D. D., 1838-43, President and Professor of Moral Philosophy, Logic and Rhetoric.
- REV. ALEXANDER HO-BASS, 1838-42, Professor of Classics.
- REV. JAMES MCINTOSH, 1838-44, Professor of Mathematics and Natural Philosophy.
- REV. FREDERICK TURPKINS, M. A., LL. D. (Lond.), now Barrister, London, G. B., 1856-7, Professor of Mathematics and Natural Philosophy.
- REV. GEORGE CORRIE, M. A., LL. D., now Professor of Classics McGill College, 1856-7, Professor of Classics.
- THOMAS MCCULLOCH, 1863-5, Professor of Natural Philosophy.
- JOHN JAMES MCKENZIE, M. A., Ph. D., 1877-79, Professor of Physics.
- HARBERT A. BAIRD, M. A., Ph. D., F. R. S. C., late Professor of Chemistry, Royal Military College, Kingston, Ont., 1877-79, Lecturer on Organic Chemistry and Chemical Analysis.
- JAMES DUMELL, A. M., 1862-80, Professor of Historic and History.
- REV. DAVID HONEYMAN, D. C. I., F. R. S. C., late Provincial Geologist, 1878-83, Prof. of Geology and Palaeontology.
- REV. JAMES ROSS, D. D., 1828-58, Principal, and Professor of Ethics.
- J. G. SCHUBMAN, M. A., D. Sc., now President of Cornell University, 1882-86, Professor of English Literature and Metaphysics.
- HON. SIR J. S. D. THOMPSON, LL. D., now Premier of Canada and Minister of Justice, 1883-88, Lecturer on Procedure and Evidence.
- ROBT. SINGEWICK, B. A., Q. C., now Judge of the Supreme Court of Canada, 1883-88, Lecturer on Equity Jurisprudence.
- W. J. ALEXANDER, B. A., Ph. D., now Professor of English in the University of Toronto, 1884-89, Professor of English Language and Literature.
- REV. WM. LEVAIL, LL. D., F. R. S. C., 1868-90, Professor of Philosophy.
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- JAMES SMYTH, M. A. (Edin.), now Prof. of Philosophy, Queen's University, Kingston, B. I.; George Maslin Prof. of Philosophy, 1888-92.
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*Secretary to the Faculty*—PROFESSOR MACMURCHAN.

*Registrar to the Faculty*—PROFESSOR LICHTI.

Correspondence should be addressed:

"The Secretary, Faculty of Arts,  
Dalhousie College, Halifax, N. S."

### § I.—Courses of Instruction.

#### I.—CLASSICS.

(McLeod Professorship.)

*Professor*.....

First Year Latin Class.

*Monday, Wednesday, and Friday, 10—11 A. M.*

Subjects of study:

Cicero: *Pro lege Manilia*, (Welkin's, Macmillan, N. Y., \$9.75).  
*\*Pro Milone*, (Purton's, Macmillan, N. Y., \$9.60). Virgil: *Æneid*,  
 Book V., (Calvert's, Macmillan, N. Y., \$9.40). Composition: Arnold's  
*Latin Prose* by Bradley, (English edition, Halifax booksellers);  
 Canadian reprint, Gage & Co., Toronto, \$1.50). Grammar: *Systax*  
 and *Prosody*, (Allen and Greenough's, Ginn, Boston, \$1.30). History:  
*Roman History*, (Smith's, Hagers, N. Y.).

\*Students seeking a First or Second Class Distinction are examined in this additional subject. An "excess" passage will also be set for translation.

## Second Year Latin Class.

*Monday, Wednesday, and Friday, 11 A. M.—12 M.*

## Subjects of study:

Horace: Odes, Books, I, II, \*III, (Page's, Macmillan, N. Y., (classical series) \$0.50 each; Book I-IV, one vol. \$1.25) Livy: Book I, (Stephenson's, Macmillan, N. Y., \$0.40). Composition: Arnold's Latin Prose by Bowley; Easy pieces for Latin Prose, Second Series, (Champerne and Randall's, Longmans, N. Y., \$0.50). History: Grecian History, (Smith's smaller ed., Harpers, N. Y.).

## Third and Fourth Years Latin Class.

*Monday and Wednesday, 12 M.—1 P. M.*

## Subjects of study:

Horace: Selected Satires, (Maclean's, Part II, new ed., \$0.50; or Palmer's, Macmillan, N. Y., \$1.25). Tacitus: Annals, Book I, (Ferneux's, Macmillan, N. Y., \$0.50). Composition: Yonetta's Second Latin Writer, (Longmans, N. Y., \$1.10). \*Tacitus: Annals, bk. XIV. \*Merivale's Hist. of the Romans, chaps. xxx, xxxi, xxxii, xxxiii-xxxv.

## First Year Greek Class.

*Tuesday and Thursday, 10—11 A. M.*

## Subjects of study:

Lucian: Selections, (Abbott's, Longmans, N. Y., \$0.40). \*Xenophon: Cyropaedia, Book I, (Biggs', Macmillan, N. Y., \$0.50). Composition: Elementary Greek Prose Composition, by Fletcher & Nicholson, pub. by W. Ballie, Kingston, Ont., \$1.00, introductory rules; oral and \*written exercises.—Grammar: Accidence, (Goodwin's, Ginn & Co., Boston, \$1.65).

## Second Year Greek Class.

*Tuesday and Thursday, 11 A. M.—12 M.*

## Subjects of study:

Homer: Odyssey, Book IX, (Edward's, Macmillan, N. Y., \$0.60). Xenophon: Hellenica, Book II, (Underhill's, Macmillan, N. Y., \$0.75). \*Demosthenes: Olynthica. (Hewley's, Livingston, London, \$0.80.—Composition: As in First Year's Class; also Sidgwick's Introduction to Greek Prose Composition, (Longmans, N. Y., \$1.50).

\*Students seeking a First or Second Class Distinction are examined in this additional subject. An "uncross" passage will also be set for translation.

†For private reading for a First Class.

## Third and Fourth Years Greek Class.

*Tuesday and Thursday, 12 M.—1 P. M.*

## Subjects of study:

Demosthenes: Philippics, I, II, III, (Tarbell's, Ginn & Co., Boston, \$1.10). Euripides: Medea, (Verral's, Macmillan, N. Y., \$0.90).—Composition: Sidgwick's Introduction to Greek Prose Composition: introductory rules; written exercises. \*Philology: Pedia's Primer of Comparative Philology, (Macmillan, N. Y., \$0.35). †Euripides: Alceste.

## Advanced Class.

*Twice or three times a week.*

In this class the Latin and Greek Subjects prescribed for the Special Course in Classics are read, and Prose Composition is regularly practised.

## II.—MODERN LANGUAGES.

(*McLeod Professorship.*)

Professor.....JAMES LINCOLN, M. A.

## First French Class.

*Tuesday and Thursday, 2—4 P. M.*

## Subjects of study:

Macmillan's *Progressive French Reader*, II, year, (Farrachet), Molière: *Le Bourgeois Gentilhomme*, (Macmillan & Co.), Scribe: *Bataille de Dames* (Macmillan & Co.), Exercises in Grammar and Composition.

Additional for a First-Class position: Saintine, Picciola; or Scribe: *Bertrand et Rubeis*; or Octave Feuillet: *Le Roman d'un jeune homme pauvre*.

*Text Book:* Brache's *Public School Elementary French Grammar*. Other Text Books required will be announced at the opening of the Session.

## Second French Class.

*Tuesday and Thursday, 2—3 P. M.*

## Subjects of study:

For 1894-95. Molière: *L'Amour, le Bachelier*; Esther: *Esther*; Ponsard: *Charlotte Corday*, or *L'Honneur et l'Argent*, (Macmillan & Co.). Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors.

\*Students seeking a First or Second Class Distinction are examined in this additional subject. An "uncross" passage will also be set for translation.

†For private reading for a First Class.

For 1895-96. Molière's: *Les Précieuses Ridicules*. Racine: *André*, (Macmillan & Co.). Corneille's *Class*. Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors.

Molière's *Misotrophe* (Macmillan & Co.), and either *Madame de Staël's L'Allemagne*, or Molière's *Comédie des Femmes*, III. and IV. Acts, are prescribed for private reading to candidates for a First Class position.

Text Books: As in First Class. Outlines of the History of French Literature (Wadsworth's Primer.)

### Third French Class.

*Teachings and Thursday, 9-10 A. M.*

Subjects of study:

For 1894-95.—Molière: *Les femmes savantes*. Racine: *Épicharme*. Corneille: *Le Cid*. (Macmillan & Co.). Translations from English writers. Original essays. Translation of unspecified passages from modern authors.

For 1895-96.—Cornelle: *Horace*. Racine: *Pièdre*. Molière: *Le Médecin malgré lui*. Translation from English writers. Original essays. Translation of unspecified passages from modern authors.

Molière's  *Tartuffe* (Macmillan & Co.), and either Victor Hugo's *Les Travailleurs de la Mer* (Livington) or Madame de Staël's *Germany on the Rhine* are prescribed for private reading to candidates for a First Class position.

Text Books: As in Second Class. Estlin's Short History of French Literature.

### First German Class.

*Mondays, Wednesdays, and Fridays, 3-4 P. M.*

Subjects of study:

Buchlein: *German Reader*, Part II. Schiller: *Wilhelm Tell* (Macmillan & Co.). Additional for a First Class position: Gustav Freytag: *Die Journalisten*, (Macmillan & Co.), or Von Hilbert: *Bücher als die Kirche*, (Heath & Co.), or Schiller: *Wilhelm Tell*, II. and III. Acts. Exercises in Grammar and Composition.

Text Books: Whitney's German Grammar (Macmillan & Co.). Other Text Books required will be announced at the opening of the session.

### Second German Class.

*Mondays, Wednesdays, and Fridays, 2-3 P. M.*

Subjects of study:

For 1894-95.—Goethe: *Egmont*. Schiller: *Marie Stuart*. (Macmillan & Co.). Translations from English writers. Original Compositions. Translation of unspecified passages from modern authors.

For 1895-96.—Goethe: *Herzogin and Dorothea* (Clarendon Press). Lessing: *Missa von Barnhelm* (Macmillan & Co.). Translations from English writers. Original Compositions. Translations of unspecified passages from modern authors.

Schiller's *Jungfrau von Orleans*, and either Heine's *Prosa* (Macmillan & Co.), or Schiller's *Historische Skizzen* (Clarendon Press), are prescribed for private reading to candidates for a First Class position.

Text Books: As in First Class. Critical outline of the Literature of Germany by Ab. Jahn, Ph.D. (Longmans, Green & Co.)

### Third German Class.

*Mondays, Wednesdays, and Fridays, 9-10 A. M.*

Subjects of study:

For 1894-95.—Lessing: *Nathan der Weise* (Macmillan & Co.). Goethe: *Götze von Berlichingen* (Macmillan & Co.). Prose composition. Translation of unspecified passages from modern authors.

For 1895-96.—Lessing: *Missa von Barnhelm* (Macmillan & Co.). Goethe: *Epicharme auf Tauris*. Prose composition. Translation of unspecified passages from modern authors.

Schiller's *Wallenstein's Tod*, (George Bell & Sons) and either Goethe's *Faust*, Part I by Jane Lee (Macmillan & Co.), or Heine's *Barbarie* (Macmillan & Co.) are prescribed for private reading to candidates for a First Class position.

Text Books: As in Second Class.

### Advanced German Class.

*Twice a week.*

The subjects studied in this class will be those prescribed for the special course of English and German (§ viii (8)). The course will extend over two years.

1894-95.—Middle High German: Grammar (Wright's Middle High German Primer). Selections from Wackernagel: *Kleinere Altdeutsches Lesebuch*. Selections from authors of the 18th century. Prose composition.

In 1895-96.—Middle High German: Grammar, (Paul's Grammar). Selections from Wackernagel: *Kleinere Altdeutsches Lesebuch*. Selections from Swiss and Plattdeutsch dialect literature. Selections from authors of 16th and 17th centuries. Prose composition.

Other text books will be announced at the opening of the session.



## III.—ENGLISH LANGUAGE &amp; LITERATURE.

(George Munro Professorship.)

Professor.....ARTHUR MACMURDO, Ph. D.

The course in English is mainly literary; the method pursued is the historical. The different periods are studied in the representative works of the period; and in all cases actual acquaintance with the texts precedes criticism upon them. This part of the course is intended to furnish the student with an outline picture of English literature from Chaucer to Tennyson. The work for "class distinction" is meant to broaden the knowledge of more ambitious students. The essential facts of Historical English Grammar are taught by means of lectures in the Second Year. In Composition, practice precedes theory, and exercises in the class-room take the place of "essays" compiled at home; the writing of reports forms part of this work. In the Advanced Class the aim of the instructor is to acquaint the student with the grammar of Old and Middle English, and to widen his knowledge of Elizabethan literature.

## First Year Class.

Mondays and Thursdays, 9—10 A. M.

COMPOSITION.—Imitative exercises in construction of paragraphs, Narration and Description.

LITERATURE.—Eighteenth Century: Prose. *Authors*: Papers contributed to the Spectator. *Johnson*: Life of Pope. (*Miscellany*: Samuel Johnson). Poetry: *Dryden*: Mac Flecknoe, St. Cecilia's Day, Alexander's Feast. *Pope*: Rape of the Lock. *Gray*: Elegy in a Country Churchyard. *Goldsmith*: Traveller, Deserted Village. *Brown*: Two Dogs, Cotter's Saturday Night.

For reference. *Case*: History of Eighteenth Century Literature.

Candidates for Class Distinction will be examined these additional works, which are not read in class. *Dryden*: Absalom and Achitophel. *Pope*: Essay on Man. *Johnson*: Lives of Dryden, Addison and Gray.

Two reports on private reading, assigned by the instructor, are required from each student.

Books recommended: *Classics* from Press edition of Dryden; *Bald's Larger English Poems* (containing all the poetry read in class); *Authors*; ed. T. Arnold; (*Shakespeare Press Series*); *Johnson's Six Chief Lives*; ed. M. Arnold.

## Second Year Class.

Mondays, Wednesdays and Fridays, 12—1 P. M.

COMPOSITION.—Lectures on the principles of Narration, Description and Exposition. Exercises.

LITERATURE.—Elizabethan. *Shakespeare*: Henry IV., Pts. I and II, Henry V., Henry VIII. *Milton*: Comus, L'Allegro, Il Penseroso, Sonnets, Paradise Lost, Bks. I—II. *Lectures*.

ENGLISH LANGUAGE.—A short course of lectures on the History of the English Language, at the end of the Spring Term.

For reference. *Sainsbury*: History of Elizabethan Literature.

A report on private reading assigned by the instructor, is required from each student. Candidates for Distinction are required to present a second report.

Candidates for Class Distinction will be examined in the following plays, which are not read in class: *Midsommer Night's Dream*, *The Tempest*, *Twelfth Night*.

## Senior Class.

Twice a Week.

The object of this part of the course is to complete the study of Eighteenth Century and Elizabethan Literature, by linking it, on the one hand with Chaucer, and, on the other, with the literature of our own day.

LITERATURE.—Middle English and Pre-Shakespearean.

1894-95.—*Chaucer*: Prologue, Knights Tale and Nonne Prestes Tales. *Sweet's Middle English Primer*, II. *Spenser*: *Fairie Queene*, Bks. I., II. *Marlowe*: *Dr. Faustus*. *Lectures*.

History of Literature: *Morley*: English Writers, V.

For Distinction. *Chaucer*: Minor Poems, (ed. Skeat); *The Prioresse's Tale*, *Sir Topas*, *The Monk's Tale*, *The Clerk's Tale*, *The Squire's Tale*.

LITERATURE.—Nineteenth Century.

1895-96.—*Scott*: *Old Mortality*, *Marmion*. *Byron*: Poems selected and edited by Matthew Arnold. *Wordsworth*: Poems selected and edited by Matthew Arnold. *Tennyson*: *The Lady of Shalott*, *Centos*, *Lucan's Eaters*, *A Dream of Fair Women*, *Morte d'Arthur*, *Isora*, *Sir Galahad*, *The Lord of Burleigh*. *Clynes*, *Osse* on the Duke of Wellington. *Browning*: *My Last Duchess*, *Less Leader*, *Andrea del Sarto*, *The Bishop Orders his Tomb*, *Epistle of Karshish*, *The Italian in England*. *Keats*: *Sensuous and Lilies*. *Carlyle*: *Sartor Resartus*.

History of Literature: *Gilpin*.

For Distinction. A thesis on the subject assigned by the instructor.

## Advanced Class.

Three times a week.

Development of English Language and Literature to the year 1800, with special study of select works in Elizabethan drama and prose. (§ VIII, 6.)

## IV.—HISTORY AND POLITICAL ECONOMY.

(George Munro Professorship.)

Professor.....REV. FRANCIS FORBES.

## Third Year History Class.

Mondays and Wednesdays, 11 A. M.—12 M., and Fridays, 10—11 A. M.

Subjects of study:

Medieval History and Modern History to 1655.

The class work will be conducted by means of lectures and examinations on prescribed reading.

Candidates for First Class Distinction will be examined on Hallam's Middle Ages, Bryce's Holy Roman Empire, and Introductory Sections of Robertson's Charles V.

*Text Book:* Gibbon's Decline and Fall of the Roman Empire, (Student's Edition).

*Books recommended:* Hallam's Middle Ages; Bryce's Holy Roman Empire; Irving's Mahomet and His Successors; Green's History of Civilization; Michener's History of the Crusades; Robertson's Charles V.; Stobbe's Constitutional History of England; Labrousse's Historical Atlas.

#### Fourth Year History Class.

*Tuesdays and Thursdays, 11 A.M.—12 M.*

Subjects of study:

Modern History from 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. In the lectures, books of reference will be named and select portions specified for reading.

Candidates for First Class Distinction will be examined on Green and Gaizot, and a few chapters to be specified in the others.

*Books recommended:* Green's England, vol. IV.; Gaizot's France (Museum's Abridgement); Hume's Germany; Meisner's Dutch Republics; Everett's United States; McMaster's History of the People of the United States; Parkerson's France and England in North America; Labrousse's Historical Atlas.

#### Advanced History Class.

Once a week.

Subjects of study:

English History from 1093 to 1688.

The work of this class will be conducted by means of lectures and examinations on reading prescribed from Chaucer, Gower, Gardiner, Green, Hallam, Ranke, and other authorities.

This class is intended especially for undergraduates taking the Special Course in English and English History.

#### Political Economy Class.

*Tuesdays and Thursdays, 10—11 A.M.*

The work of this class will be conducted by means of lectures and examinations on prescribed reading.

Candidates for First Class Distinction will be examined on Coase's "Guide to Study of Political Economy" and other works prescribed during the session.

*Text Book:* Mill's Principles of Political Economy.

#### Advanced Political Economy Class.

Twice a week.

The work of this class will consist of lectures, entering into the principles of Political Economy more fully than in the ordinary class, with examinations on reading prescribed in the works of leading writers on the subject.

## V.—PHILOSOPHY.

(George Munro Professorship.)

*Professor*.....WALTER C. MURRAY, M. A.

### Junior Philosophy.

*Wednesdays, 9—10 A. M., Tuesdays and Thursdays, 4—5 P. M.*

The work of this class will consist of two courses of lectures, one on Logic, the other on Psychology, with essays, discussions, and oral examinations.

The work in the course on Logic will be selected so as to afford the best possible mental training. In the Psychological course, experiments will be introduced as far as possible to supply a basis for the theory and for the purposes of illustration. Especial attention will also be given to the connection between Psychology and Educational methods.

*Text Books:* Mill's Logic, or Peacock's Introduction and Inductive Logic, (or James' Elementary Lessons in Logic; James' Psychology (briefest course). Students especially interested in education are recommended to read Kelly's Teachers' Handbook to Psychology. For Education Class, see course in Science Faculty's XVI. Reading for Distinction.—Berkley: Theory of Vision, Divine Faculty Language, Principles of Human Knowledge, § 425. Mill: Logic, Bks. II. and III.

### Senior Philosophy.

*Tuesdays and Thursdays, 4—5 P. M.*

This course extends over two years, and consists of a series of lectures varied by oral examinations, essays, and discussions, on the History of Philosophy.

For 1894-95 the subjects of this course will be the History of Greek Philosophy, and a critical study of Plato's *Republic*, and Aristotle's *Ethics*.

*Books recommended:* Ferris: Greek Philosophy. Eriasson's, or Wiedeband's, History of Philosophy.

For 1895-96 the History of Modern Philosophy, with a critical study of Locke's *Essay concerning the Human Understanding*, and Frazer's *Soliloquies from Berkeley* will constitute the work of this class.

*Books recommended:* Seth (A.): Scottish Philosophy. Essay: Spirit of Modern Philosophy. Eriasson's, or Wiedeband's, History of Philosophy.

### Moral Philosophy.

*Mondays and Wednesdays, 11—12 A. M.*

The following is an outline of the work of this class:

Introductory analysis of some fundamental ethical conceptions with a sketch of the principal ethical problems.

A critical discussion of the Holonistic, Rationalistic and Eudemonistic Theories of the Good, of Obligation, and of Freedom.

An account of the problems of the Moral Life of the Individual: Conscience or Knowledge of the Right, Conduct or Practice of the Right, Character or Virtue.

Relation of Ethics to Religion, Education, Politics, and Jurisprudence.

*Text Book:* Dewey; *Outlines of Ethics*. *Books recommended:* *Writings: Elements of Ethics*, MacIntyre; *Manual of Ethics*, Taylor; *Right of the State in its Sphere*, Justice.

*Reading for Distinction:* Mill; *Utilitarianism*, Spencer; *Data of Ethics*, Huxley; *Ethics and Evolution*, Kant; *Metaphysics of Morality*, Green; *Prolegomena to Ethics*, Dr. H. Roth (German); *Principles of Ethical Philosophy*.

#### ADVANCED CLASS.

Two lectures per week.

For 1894-95 the subject of this course will be the History of English Ethics from Hobbes to the present time, with a critical study of Green's *Prolegomena to Ethics*.

In 1895-96 Kant's *Critiques of Pure Reason, of Practical Reason* with the *Metaphysics of Morality, and of Judgment*, will be critically studied.

### VI.—MATHEMATICS.

Professor.....C. MacDONALD, M. A.

#### FIRST YEAR CLASS.

Daily, 11 A. M.—12 M.

Subjects of study:

**ALGEBRA.**—Involution, Evolution, Theory of Indices, Equations of the First and of the Second Degree. Discussion of Imaginary Quantities and of  $\sqrt{-1}$ ; Elements of Determinants, Properties, Inequalities, Indeterminate Equations, Variation, Progressions, Theory of Notation; Selected Propositions in the Theory of Equations, with Horner's method of approximating the roots of an Equation of a Degree higher than the Second.

**GEOMETRY.**—First, Second, and Third Books of Euclid Revised, Fourth Book, Definitions of the Fifth, and the Sixth Book, with Geometrical Exercises and practical applications.

After the beginning of January, attendance at the Class on Thursdays will be optional, except for those who are trying for First or Second Class distinctions. But the Professor reserves to himself the right of excluding any whom he may have judged unequal to the work of his Thursday class.

*Books recommended:* Colson's or Toddhunter's or Deighton's *Geometrical Elements*, Hall & Knight's *Essentials of Algebra*, Toddhunter's *Algebra*, or Hall & Knight's *Higher Algebra*. (The latter book is recommended to those who wish to pursue advanced work. Toddhunter's usual school Algebra is scarcely sufficient for the course.)

#### SECOND YEAR CLASS.

Daily, 10—11 A. M.

The daily meeting of this Class is subject to the following explanations:

After the Christmas Examinations, the Class will be resolved into two Divisions, a Lower and a Higher.

The Lower or Ordinary Division will meet on four or three days a week, according as the general progress of the Class may demand. The Higher Division will meet on the remainder of the five days a week. Fitness to enter the Higher Division is determined by the Professor, according to the general standing and previous record of the student.

In the Lower or Ordinary Division of the Class, the subjects of study are—

**GEOMETRY.**—Sixth Book of Euclid revised; Cockerhott & Walter's *Conic Sections*; the Parabola and part of the Ellipse; Easy Geometrical Exercises, with practical applications; 21 Propositions of the Eleventh Book of Euclid.

**TRIGONOMETRY.**—Analytical Plane, as far as, but exclusive of DeMoivre's Theorem. The use of Logarithms, and of the chief Mathematical Tables, Solution of Plane Triangles; Measurement of Heights and Distances; Elementary Problems in Navigation.

**ALGEBRA.**—Permutations and Combinations; use of the Binomial Theorem; Properties of Logarithms; Compound Interest; Elements of the Doctrine of Chances.

In the Higher Division the subjects are:—

**GEOMETRY.**—Parabola, Ellipse, and Modern Extensions of Euclid.

**TRIGONOMETRY.**—As in the Lower Division, with Extensions; DeMoivre's Theorem, with Higher Angular Analysis; Spherical Trigonometry, as far as the solution of Right-angled Triangles, with applications to easy Astronomical problems.

**ALGEBRA.**—Investigations connected with the subjects studied in the Ordinary Division, with illustrations and examples of a more difficult kind. For First or Second Class at the Examinations, acquaintance with the subjects treated in this Division is necessary.

*Books recommended:* *Algebra*—Toddhunter's or Hall and Knight's (best). *Logic's Plane Trigonometry*; Cockerhott and Walter's *Geometrical Conics* (Knox & Co.); *Chamber's Logarithmic, &c., Tables*. For *Higher Trigonometry*, Toddhunter's *Spherical Trigonometry*; Casey's *Second to First Six Books of Euclid*, (Longmans, Green & Co., London.)

#### ADVANCED CLASS.

There are two Divisions in this Class:

The first Division meets three times a week.\* Subjects: Analytical Trigonometry, commencing with the application of DeMoivre's Theorem; Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus.

*Books recommended:* *Logic's Plane Trigonometry*, Vol. II.; C. Smith's, and Toddhunter's *Conic Sections*; Toddhunter's *Theory of Equations*; Williamson's *Differential Calculus*; Williamson's *Integral Calculus*; Todhunter's *Spherical Trigonometry*. Any standard works on the subjects treated may, however, be used.

The Second Division meets twice a week.† Subjects: Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus; Integral Calculus, with Differential Equations; Application of these to Physics, Physical Astronomy, &c.

*Books recommended:* The same as for the First Division. Also, Tall & Stock's *Dynamics of a Particle*; Toddhunter's *Analytical Statics*; Woolsey Johnson's *Differential Equations*, (Macmillan & Co.)

\* The hour of meeting on Fridays may possibly be changed at the opening of the session.

† An extra hour for some part of the session may be required.

‡ This work is published in two volumes. The first of these—"A Treatise on Elementary Trigonometry"—is sufficient for the ordinary class.

## VII.—PHYSICS.

(George Moore Professorship.)

Professor..... J. G. MacGILLIVRAY, B. Sc.

## Junior Physics Class.

Tuesdays, Thursdays, and Fridays, 11 A. M.—12 M.

The subjects of the lectures will be:

The Elements of Dynamics; the properties of solid and fluid bodies; Heat; Electricity and Magnetism; Light and Radiant Heat; and Sound. These subjects will be treated in an elementary manner, the mathematical knowledge assumed being no greater than may be acquired in the First Year Class. The lectures will be illustrated by experiments. Besides the Christmas and Spring Examinations, others are held at unspecified dates, and students are expected throughout the session to hand in problem papers for correction and criticism.

*Books recommended.*—Students who aim at Distinction will be expected to read, in connection with the lectures, the following books: Lodge's *Elementary Mathematics* (W. & R. Chambers), Garner's *Elementary Treatise on Heat* (Dunham, Bell & Co.), *Cunningham's Electricity Treated Experimentally* (Hodgkinson), and *Newcomb's Natural Philosophy*, Pt. IV.—*Sound and Light* (Blackie & Sons). Other students are recommended to read at least Lodge's *Mechanics* and Stewart's *Lectures in Elementary Physics* (Macmillan & Co.). Illustrative problems will be found in Jones's *Examples in Physics* (Macmillan & Co.).

## Senior Physics Class.

Mondays and Wednesdays, 10—11 A. M.

The subjects studied in this class will be treated in a less elementary manner than in the Junior Class, a knowledge of the Mathematics of the Second Year Class being assumed. As the course is too extensive to be completed in one session, different departments of it will be taken up in alternate years, as follows:

In 1894-95.—Kinematics, Dynamics, and the properties of elastic solids and fluids. The Professor's *Kinematics and Dynamics* (Macmillan & Co.) will be used as a text-book, and candidates for Distinction will be expected, not only to acquire considerable power of solving problems, but also to read portions of the text book not treated in class.

In 1895-96.—Heat, including a discussion of heat engines, and Electricity and Magnetism, including a discussion of dynamo-electric machines. Students will be referred in the lectures to various works. Candidates for Distinction will be expected to read specified portions, not treated in class, of Maxwell's *Theory of Heat* (Longmans & Co.), and *Cunningham's Theory of Electricity* (Macmillan & Co.).

## Advanced Mathematical Physics Class.

Mondays and Wednesdays, 11 A. M.—12 M.

The subjects studied will include various departments of Physics. The mode of treatment will be such as to give students an introduction to the application of the higher Mathematics to the study of physical problems. They will therefore be assumed to have a sufficient knowledge of Analytical Geometry and of the Differential and Integral

Calculus. As the course is too extensive to be completed in a single session, different portions will be taken up in alternate sessions, viz.:

In 1894-95.—The *mechanics*, and *Electrodynamics* (including *Electrostatics*).

In 1895-96.—Kinematics of a point, of a rigid system, and of deformable systems; Dynamics (including Statics) of a particle, of systems of particles (including strings), of extended bodies, of rigid bodies, of elastic solids, and of fluids.

*Books recommended:* *Tull and Steele's Dynamics of a Particle* (Macmillan & Co.), *Tait's Analytical Statics* (Macmillan & Co.), *Adams's Rigid Dynamics* (Delphin, Bell & Co.), *Keener's Hydromechanics* (Delphin, Bell & Co.), *Bayen's Thermodynamics* (Clarendon Press), *Lagrange's Mathematical Theory of Electricity and Magnetism* (Clarendon Press), and *Mosset and Jouber's Electricity and Magnetism*, (De la Rue & Co., London), vol. 1.

## Advanced Experimental Physics Class.

Once or twice a week.

The subjects studied will be those portions of the work prescribed in the Special Course in Experimental Physics and Chemistry, which present special difficulty.

Lectures will also be given on physical experimental methods, errors of observation and their influence on results, the treatment of corrections, graphical methods, the method of least squares, &c.

*Books of reference.*—The works most frequently referred to will be: *Tull's Properties of Matter* (A. & C. Black), *Fulmer's Manual of Physics* (Halliwell, Tisdall & Co.), *Gastrow's Physical Optics* (Longmans, Green & Co.), *Newcomb's Treatise on Heat* (Clarendon Press), *Thomson's Electricity and Magnetism* (Macmillan & Co.), *Helmoltz's Pionier der Messtechnik* (John Wiley & Sons), and various original essays.

## Practical Physics Class.

(At least five hours a week.)

The work of this class will consist of the investigation of simple physical laws and the determination of physical constants, such as density, specific heat, electromotive force, electrical resistance, &c.

Students will be required to prepare formal papers on the determinations made, describing the methods used and the results obtained, and discussing the degree of accuracy of the results. Their standing in the Pass and Distinction lists will depend mainly on these papers.

Members of the class who wish to become science teachers will be allowed to devote part of their time to acquiring facility in devising and executing illustrative experiments.

*Books recommended.*—*For ordinary use.*—Gastrow's and Shaw's *Practical Physics* (Longmans, Green & Co.). *For reference.*—Stewart & Geie's *Elementary Practical Physics* (Macmillan & Co.), *Ayrton's Practical Electricity* (Dunham, Bell & Co.), *Gray's Absolute Measurements in Electricity and Magnetism* (Macmillan & Co.), *Kohlrausch's Physical Measurements* (J. & A. Churchill), and *Wiedemann and Ebert's Physikalische Praktikum* (Vieweg & Sohn, Braunschweig.)

## VIII.—CHEMISTRY.

(McLeod Professorship.)

Professor..... GEORGE LAWSON, Ph. D., LL. D.

## Inorganic Chemistry Class.

Tuesdays, Wednesdays, and Fridays, 9—10 A. M.

## Subjects of lectures:

General Principles. Chemical Affinity. Laws of Combination, by weight. Definite Proportions. Equivalents. Law of Multiple Proportions. Combination, by volume, Gay-Lussac's Law. Law of Specific Heats. Atomic Theory. Nomenclature; Notation; Formulas, Equations. The non-metallic Elements considered in detail; their modes of occurrence in nature; preparation in the free state; their compounds, natural and artificial; natural phenomena and artificial processes in which they take part; useful manufactures to which they are related.

The Metals considered in regard to their physical and chemical characters, and modes of occurrence in nature. Classification of the Metals. Constitution of Salts; Bases, Acids, Radicals. Discussion of the more important Metallic Elements in detail, their Salts and other compounds; Metallurgical processes; Chemical Manufactures.

*Text Book*—Green's edition of Wurtz's Elements of Modern Chemistry—the whole of the inorganic part. (Lippincott, Philadelphia.)

## Organic Chemistry Class.

Mondays and Thursdays, 9—10 A. M.

## Subjects of lectures:

Mode of formation of Organic Compounds in the Plant: by assimilation; by metabolism; their after-transformation by natural and artificial processes. The method of Organic Chemistry. The Atomicity of Carbon. Saturation. Substitution. Principles of Classification. Elementary Analysis. Mono- and its Ho-ologues, and the Substitution Compounds. The Monatomic Alcohols, and related Compounds and Derivatives of the Fatty Series; Aldehydes, Ethers, &c. The Fatty Acids. Compound Ethers. Amines, Amides, Phosphenes, &c. Polyatomic Alcohols, Ethers and Acids. The natural Vegetable Acids. Cyanogen and its Compounds. Glucosides. Carbohydrates. Diastases. Fermentation.

Aromatic Compounds. Benzene (Benzol) considered theoretically as the nucleus of the aromatic compounds. Oil of Turpentine and its Isomerides. Volatile Oils. Camphor. Substitution and Additive Compounds of Benzene. Phenol (carbolic acid) and its derivatives, Aniline, &c. Benzoic and related Acids, Indigo, &c. Natural Alkaloids. Albumen. Urea.

*Text Book*—Green's Edition of Wurtz's Elements of Chemistry—the Organic part. *Reference works*: Beane & Schaeffer's, Watt's Dictionary, &c., which can be used in the Balance Room. Other works are placed, for convenience of students, on a reference shelf in the College Library.

## Chemical Laboratory.

The Chemical Laboratory is open daily (except Saturdays, Sundays, and holidays) from 9 a. m. to 1 p. m. Students taking their first Laboratory course are required to attend at an hour when the Professor is not

engaged in lecturing. Students experienced in Laboratory work who cannot attend at such hours may be allowed by special permission, to work at other times, but such permission may be cancelled at any time.

**PRACTICAL CHEMISTRY.**—A systematic course of Separation and Detection of the several Metallic Bases, and the Inorganic and Organic Acids, and Preparation of the necessary Reagents.

The above constitutes the course conventionally known as "Practical Chemistry," which ordinarily extends over three months, in case of a student who works at least five hours a week, or from five to six months, when attendance is given only two hours a week.

Where additional time can be given, students will also be exercised in the preparation of, and manipulation with, the more important elementary and compound gases. This extra work, which is entirely optional, is intended specially for the benefit of teachers and others who may be desirous of becoming familiar with gas experimentation. Such extra work cannot be taken as a substitute for any part of the prescribed course of "Practical Chemistry" as above defined.

*Laboratory Books*—One of the following: Macdon's Practical Chemistry; Fessenden's Qualitative Analysis; Goodwin's Text Book.

**QUANTITATIVE ANALYSIS.**—Instruction is provided in Quantitative Analysis, for Students taking the Special Course in Experimental Physics and Chemistry, and also for Students who, having taken Practical Chemistry in their Third Year, are desirous of taking it again in their Fourth Year. Other persons, having a sufficient practical training in Chemistry, will also be admitted. Instruction is offered, not only in General Quantitative Analysis, but also in special work, such as the Analysis of Metallic Ores, Coal, and other Mineral Substances, Fertilizers, Soils, Mineral Waters; Sanitary Examinations of Water, Air and Food; Detection and Quantitative Estimation of Poisons; Manufacturing Chemistry,—as laboratory processes related to Soap Making, Brewing, Malting, Distilling, Cultivation of the Soil, Agricultural Manufactures, &c.

Laboratory students are allowed the use of the ordinary Laboratory apparatus and furnishings, and of inexpensive reagents, but are required to provide themselves with evaporating basins, test-glasses, platinum, gold and silver salts, and other expensive materials which they may require, and to replace apparatus which they may destroy. Those who wish to work in special departments or to engage in original research requiring apparatus or reagents not in common use in the Laboratory will have to furnish themselves with the necessary appliances at their own expense.

The Chemical Laboratory is very large and airy, and is so arranged that every student may have a separate set of reagents, and as much desk and table room as he can possibly use. Usually it is found convenient for two students taking their first systematic course to work together at the same desk (not necessarily at the same hour), which lessens the time necessary for preparing reagents.

The Working Laboratory is fitted up with locked desks, drawers and shelving for sixty-four students, with a separate Balance and Reference Library Room for use of students.

*Text-Book*—Fessenden's Quantitative Analysis. Special works in the College Library will be recommended when necessary. Books needed in actual work will be kept in the Balance Room for the use of Students, but are on no account to be used on the working tables of the Laboratory.

## IX.—BOTANY.

Professor.....GEOFFREY LAWSON, Ph.D., LL.D.

*Lectures and Exercises, 12.—1 P. M.*

The course in Botany embraces the subjects of Structural and Physiological Botany, special attention being given to Minute Structure and the Development of Tissues, the phenomena of Growth, Reproduction, general Life History, and Plant Movements. Also Classification, as illustrated by the leading Natural Orders of North American Plants.

*Text Book.*—Goddard's Physiological Botany, being Vol. II of Gray's Botanical Text Book. *Field Books for Students.*—Ford's Manual of Embry of the Northern States; Gray's Herbarium, with Lawson's Fern Flora of Canada, as Appendix, (Chesham.)

§ II.—**The Academic Year.**—The Academic year consists of one Session. The Session of 1894-95 will begin on Wednesday, 12th September, 1894, and end on Tuesday, 23rd April, 1895.

§ III.—**Admission of Students.**—(1.) Persons of either sex may become students of the College by (a) furnishing satisfactory references or certificates of good moral character (on first entering the College), (b) entering their names in the Register (annually), and (c) paying the annual Registration fee (§ xxiv).

(2.) Registered students may, on presentation of their Registration Tickets, and on payment of the proper fees, (§ xxiv), enter any of the ordinary classes of the College. The Advanced Classes are open to students who have sufficient knowledge of the subjects taught in them.

(3.) Students who are candidates for degrees are known as Undergraduates, others as General Students.

§ IV.—**Degrees.**—(1.) Two baccalaureate degrees are conferred in the Faculty of Arts, those, viz., of Bachelor of Arts (B. A.), and Bachelor of Letters (B. L.).

(2.) Persons who wish to obtain University Degrees must become Undergraduates. Persons of either sex may become Undergraduates by (a) passing either one of the Matriculation Examinations or a recognized equivalent, (§§ iv., 4-5; v. 4; and vi. 2-4), and (b) matriculating, i. e., entering their names on the Matricula or Register as Undergraduates.

(3.) Two Matriculation Examinations are held, of lower and higher grade respectively. The Junior Matriculation Examination admits to the First Year of the various courses. The Senior Matriculation Examination admits to the Second Year of the various courses, and thus enables those who pass it to obtain their degrees at the end of three academic years. For conditions of exemptions, see § v., vi.

(4.) Undergraduates of other Universities may, on producing satisfactory certificates, be admitted of *eundem status* in this University, if on examination they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the courses on which they enter in this University, they may be required by the Faculty to take additional classes.

(5.) Undergraduates must pursue, at the College, specified courses of study, which vary with the degrees for which they are candidates, but in the case of all degrees extend over four years. They must also pass the prescribed examinations according to the regulations of § x.

§ V.—**Junior Matriculation Examination.**—The following are the subjects of this examination:

(1.) *Ordinary.*

1 and 2.—Two of the following: Latin, Greek, French, German. Candidates for B. A. must pass in Latin, and if they are to take Greek as one of the subjects of the First Year, must also pass in Greek. Candidates for B. L. may select any two.

**LATIN.**—Translation: (For 1894), *Cæsar*—Gallic War, Books V and VI, or *Virgil*—*Æneid*, Book III. (For 1895), *Cæsar*—Gallic War, Books V and VI, or *Virgil*—*Æneid*, Book I. Composition: Arnold's Composition by Bradley, Exx. 1-44, or an equivalent. Grammar: As in Elementary Grammars.

**GREEK.**—Translation: (For 1894), *Xenophon*: *Anabasis*, Book I, or II, or III. (For 1895), *Xenophon*: *Anabasis*, Book II, or III, or IV. Grammar: As in Elementary Grammars.

**FRENCH.**—*Voltaire*: *Charles XII.*, Questions in Grammar limited to the Accidence, and based upon the passages selected. Easy English sentences for translation into French.

**GERMAN.**—*Adler's German Reader*, Dritter Abschnitt (Appleton & Co.), or, *Schubert's German Reader*, Part I, (Clarendon Press). Grammar limited to the Accidence, and based upon the passages selected.

**3. ARITHMETIC AND ALGEBRA.**—*Arithmetic*. *Algebra*: Simple rules, and Rules for the treatment of Indices. Equations of the First Degree. *Easy Quadratic Equations* of one unknown quantity.

**4. GEOMETRY.**—*Euclid*. Books I, II, III, or their equivalents.

**5. ENGLISH.**—*Language*: Grammar, Analysis, Paraphrasing, Composition: Nothing but an essay will be required. More attention will be paid to the candidate's power of expression, than to his knowledge of fact. Legible writing, correct spelling and punctuation will be considered indispensable. The subjects of composition will be drawn from:—Macaulay; Warren Hastings, *Huawei*, *Empanoles*, *The Lady of the Lake*.

6. HISTORY AND GEOGRAPHY.—Outlines of English and Canadian History, and General Geography.

N. B.—Instead of the works prescribed above in Latin, Greek, French and German, candidates may offer equivalents. Such equivalents must have been previously approved by the President. The names of the languages and of the works selected (for the approved equivalents), must have been sent to the President, at least one week before the date of the Examination.

(2) *For Distinction and Scholarships.*

Candidates reaching a certain standard on the *Ordinary* and the following subjects will be declared to have Passed with Distinction. These subjects are also to be taken by candidates for Sir William Young and Professors' Scholarships. (See § xv.). In this examination the same two languages must be taken as in the *Ordinary* examinations.

LATIN.—Translation: (a) Both Cæsar and Virgil as prescribed for Ordinary Matriculation; (b) A prose passage taken from a book not prescribed. Composition: Arnold's Composition by Bradley, EX. I-44. Grammar: As in Allen and Greenough's.

GREEK.—Translation: (a) All three books of Xenophon as prescribed for Ordinary Matriculation; (b) A prose passage taken from a book not prescribed. Composition: Fletcher and Nicholson's Composition, EX. 1-28. Grammar: As in Goodwin's.

FRENCH.—Ouvrage Faculté: *Le roman d'un jeune homme pauvre*, or, —Scribe, *Le terre d'essai* (Macmillan & Co.)

GERMAN.—Schiller: *Der Nigst als Oedip*, Act I. and II., or, Hauff: *Die Karawane*, or, *Das Wirthshaus im Spessart* (Macmillan & Co.)

The above examination may be conducted partly *visu vocæ*.

(3.) Candidates who hold Teachers' Licenses of Grades A or B, or certificates of having passed the Senior or Junior Leaving Examinations of the High School, issued by the Nova Scotian Education Office, and who also hold Teachers' Licenses of the First and Second Class issued by the Education Office of Prince Edward Island, shall be exempted from the above examination, in subjects which are included in the examinations by which such licenses or certificates were obtained. Candidates who hold Teachers' Licenses or Leaving Examination certificates issued by the Education Offices of other Provinces, may be exempted from parts of the above examination on application to the Faculty.

(4.) Persons may be admitted as Undergraduates of the First Year, without examination, on presentation of certificates from the Principals of High Schools or Academies, approved for this purpose by the Faculty, stating that they have satisfactorily completed the work prescribed for the Junior Matriculation Examination and passed satisfactory examinations therein.

(5.) If candidates at the Junior Matriculation Examination have failed in some subjects, they may by special permission of the Faculty, be admitted as Undergraduates on passing in them, at the Final Matriculation Examination (October 10th-13th), or they may, by special permission of the Faculty, be allowed to matriculate conditionally; but they will be required to pass in such portion at a subsequent date.

(6.) This examination will be held at the College on September of 12th—17th, 1894. For the benefit of candidates unable to present themselves on these days, an opportunity will be granted of appearing for examination on October 10th—13th. But no student will be admitted as an undergraduate at a later date without the special permission of the Faculty.

§ VI.—Senior Matriculation Examination.—(1). The following are the subjects of this examination:

The "ordinary" subjects of the Junior Matriculation Examination, and of the First Year (§§ v, vii).

As subjects 1 and 2 (see §§ v, vii) candidates must select the same languages in the two sections of the examination.

Candidates for B. A. must pass in Latin or Greek, if they intend to take Greek as one of the subjects of the Second Year; if not, they may select Greek or French, or German. Candidates for B. L. must pass in one modern language, but may select as the second subject either Latin or Greek.

Instead of the books prescribed in §§ v and i to be read in Latin, Greek, German, French or English, candidates may offer equivalents approved by the President.

The subject of Inorganic Chemistry may be omitted by candidates; but in that event, they must either pass the examination therein on entering the Third Year or take the subject as one of the elective subjects in the Third Year.

The examination may be conducted partly *visu vocæ*.

(2.) Candidates who have previously passed in one or more of the above subjects, or in any portion thereof, either at the Junior Matriculation Examination or at the Examinations of the First Year, shall be exempt from further examination therein.

(3.) Candidates who hold Teachers' Licenses of Grade A, or Certificates of having passed the Senior Leaving Examinations of the High School, issued by the Nova Scotian Education Office, shall be exempted from the above examination in subjects which were included in the examinations by which such licenses or certificates were obtained. The same privilege shall be granted to candidates who hold Teachers' Licenses of the First Class, issued by the Education Office of Prince Edward Island, except in the subject of Greek.

\* The "ordinary" subjects are those not marked with an asterisk in § I.

Candidates who hold Teachers' Licenses of Grade B, or Certificates of having passed the Junior Leaving Examination of the High School, issued by the Nova Scotian Education Office, and those who hold Teachers' Licenses of the Second Class, issued by the Education Office of Prince Edward Island, shall be exempted from those parts of the above examination which are common to it, and the Junior Matriculation Examination (including the "additional book" in Latin and Greek), provided such parts were included in the examinations by which such Licenses or Certificates were obtained.

Candidates who hold Teachers' Licenses or Leaving Examination Certificates, issued by the Education Offices of other Provinces, may be exempted from the whole or from parts of the above examination, on application to the Faculty.

(4.) Candidates must give at least one fortnight's notice to the President, of their intention to appear at this examination; and in giving such notice they must state in what Latin, Greek, French, German, and English books they intend to offer themselves for examination, whether or not they wish to be examined in Chemistry, and in what subjects they claim exemption from examination.

(5.) This examination will be held at the College on September 11th—17th, 1894. For the convenience of candidates unable to appear on these days, an opportunity will be granted of appearing for examination on October 10th—13th. But no student will be allowed to enter as an undergraduate at a later date, without the special permission of the Faculty.

**§ VII.—Ordinary Courses of Study for Degrees of B. A. and B. L.**—The following is a list of the classes which undergraduates are required to attend in the four years of the ordinary courses of B. A. and B. L. The details of the subjects studied in these classes will be found under Courses of Instruction (§ § I, XXV, and XLVI.)

#### First Year.

1. *For B. A.*—Latin. *For B. L.*—German.
2. *For B. A.*—Greek, or French or German. *For B. L.*—French.
3. Mathematics.
4. Inorganic Chemistry.
5. English.

Undergraduates taking French or German, enter the classes for which the Professor considers them fitted.

#### Second Year.

1. *For B. A.*—Latin. *For B. L.*—German.
2. *For B. A.*—The language chosen as subject 2 in the 1st year. *For B. L.*—French.
3. *For B. A.*—Mathematics. *For B. L.*—Mathematics or Junior Physics.
4. English.
5. Junior Philosophy or (in the case of students who intend to enter the 7th or 8th Special Course, § VIII (2)) Junior Physics.

#### Third Year.

1. *For B. A.*—Latin or Greek. The language selected must have been taken during the first two years. *For B. L.*—German or French.
2. *For B. A.*—Junior Physics or (if Junior Physics have been taken in the Second Year) Junior Philosophy. *For B. L.*—Junior Physics or (if Junior Physics have been taken in the Second Year) any one of subjects 4—5. (Junior Physics must be taken either in the Second or Third Year.)
3. History.
- 4—5. Any two of the following\*:
 

a. Greek.	b. Ethics.
b. Hebrew.	i. Senior Philosophy.
c. French.	j. Organic Chemistry, or Medical Chemistry.
d. German.	k. Practical Chemistry.
e. English.	l. Botany.
f. Constitutional History.	m. Practical Physics.
(Law Faculty).	n. Education. (History and Theory).
g. Political Economy.	

Undergraduates are required, on or before September 18th, to submit to the President for approval, the names of the two subjects, 4—5, which they may wish to select.

Undergraduates selecting French or German for the first time, enter the classes for which the Professor considers them fitted. Those selecting Greek for the first time, enter the First Year Class.

The University provides an instruction in Hebrew, but a certificate of attendance on a Hebrew Class in any reorganised College will exempt an undergraduate from one of the two subjects, 4—5.

An Undergraduate who takes subject *f* in the Third Year and subjects *k* and *l* in the Fourth Year may complete his course in the Faculty of Law in two years.

\* So far as the provisions of the Time Table permit.



An Undergraduate who has already passed the Matriculation Examination of the Faculty of Medicine (see Regulations of the Faculty of Medicine) may complete one Medical Academic Year in the third year of his Arts Course, by taking subjects *j* (Medical Chemistry), *k* and *l*. To complete his year in this Faculty he will require to take also subjects *l*, *2* and *3*. For fees payable in classes *j*, *k*, *l*, for this purpose, see section on fees, Faculty of Medicine.

#### Fourth Year.

Any five of the following\* :-

- |                                     |  |
|-------------------------------------|--|
| a. Latin.                           | k. Constitutional Law<br>(Law Faculty).        |
| b. Greek.                           |  |
| c. Hebrew.                          | l. Contracts<br>(Law Faculty).                 |
| d. French.                          |  |
| e. German.                          | m. Senior Physics.                             |
| f. English.                         | n. Practical Physics.                          |
| g. History.                         | o. Organic Chemistry, or<br>Medical Chemistry. |
| h. Political Economy.               |  |
| i. Ethics.                          | p. Practical Chemistry.                        |
| j. Senior Philosophy.               | q. Botany.                                     |
| r. Education. (History and Theory). |  |

With the approval of the Faculty, any Advanced Class may be taken as an ordinary class, in the Fourth Year.

Undergraduates are required, on or before September 18th, to submit to the President for approval, the names of the subjects which they may wish to select.

Undergraduates taking the First Year Greek Class in the Third Year must take the Second Year Class in the Fourth. Those taking the First French or First German Class in the Third Year must take the Second Class of the same subject in the Fourth. Neither the First Year Greek Class nor the First German or French Class can be taken in the Fourth Year without special permission.

A certificate of attendance on a New Testament Greek class in any recognized College, will exempt from one subject an undergraduate who has taken Greek during the first three years.

A certificate of attendance on a class in Hebrew, in any recognized College will exempt from one subject. If the Hebrew class be one of five hours a week, attendance on it will exempt from two subjects.

An undergraduate who has already passed the Matriculation Examination of the Medical Faculty (see Regulations of that Faculty) may complete one Medical Academic Year by taking subjects, o, (Medical Chemistry), p and q, in the Fourth Year. But he will not be allowed to take these subjects in this year as parts of B. A. or B. L. course, if he have already taken them in the Third. For fees payable for classes o, p, q, for this purpose, see Faculty of Medicine, section on Fees.

No class in which the subjects studied are the same from year to year, can be taken twice as part of a course.

\* So far as the provision of the Time Table permits.

§ VIII.—Special Courses for Degrees.—(1.) An undergraduate shall be allowed, during his Third and Fourth Years, to restrict his attention to a more limited range of subjects than that of the ordinary course, by entering upon one of the Special Courses, provided he has either attained both a First Class standing at the previous Examination in the subject corresponding to that of the Special Course, selected, and a satisfactory standing in the other subjects, or received the special permission of the Faculty.

(2.) Special Courses are provided in the following departments, viz., (1) Classics, (2) Latin and English, (3) Greek and English, (4) English and German, (5) English and English History, (6) Philosophy, (7) Mathematics and Mathematical Physics, (8) Experimental Physics and Chemistry. Undergraduates in Arts may take special courses in any one of the above departments; undergraduates in Letters in any one of departments, 4, 5, 6, 7, and 8.

(3.) An undergraduate taking a special course in any of the above departments shall be required to attend the Advanced Classes provided in the subjects of such departments (§ 1), to make progress satisfactory to the Professors who conduct such classes, and to pass the examinations in the subjects of such department. He shall be allowed to omit, from the subjects of the ordinary course, certain subjects specified below, and may select as his ordinary classes in any year, any of the classes of that year, subject to the following regulations and to the approval of the Faculty.

(4.) The examinations in the subjects of Special Courses shall be held at the end of the Fourth Year.

(5.) Undergraduates taking the Special Course in Classics may, in each of the Third and Fourth Years, omit any two of the subjects of those years, except Latin and Greek.

They shall be examined in the following subjects :-

#### LETTERS.

I. Candidates will be required to have a critical knowledge of the following works, in addition to those prescribed in the ordinary course :-

- Plautus: *Miles Gloriosus*.  
Terence: *Adelphi*.  
Virgil: *Georgics*, Books I., IV.  
Horace: *Epistles*, Books I., II.; *Art Poetica*.  
Juvenal: *Satires*, VII., VIII., XIV.  
Cicero: *De Oratore*, Books I., II., III.  
Livy: *Books* XXI., XXII.  
Tacitus: *Germania*; *Annals*, Book II.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list :-

- Plautus: *Trinummus*, and *Aulularia*.  
Terence: *Andria*, and *Heautontimorumenos*.

Classics: Select Letters, (Muirhead's edit., Livingtons, London).  
Tacitus: History, Books I., II., III.

### III. COMPOSITION.—PROSE.

IV. LITERATURE.—Crotwell's History of Latin Literature, selected chapters.

V. PHILOLOGY.—Pelle's Introduction to Greek and Latin Etymology; Comparative Philology by Papillon.

#### GREEK.

I. Candidates will be required to have a critical knowledge of the following works, in addition to those of the ordinary course:

Aeschylus: *Emmenides*.  
Sophocles: *Oedipus Rex*.  
Aristophanes: *The Knights*.  
Homer: *Odyssey*, Books V., VI., VII., VIII.  
Theocritus: *Book II*.  
Plato: *Phaedrus*.  
Demosthenes: *De Corona*.  
Aristotle: *Poetics*.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list:

Aeschylus: *Agamemnon*, and *Choephorae*.  
Sophocles: *Oedipus Coloneus*, and *Antigone*.  
Theocritus: *First and Seventh Books*.  
Aeschylus: *Contra Ctesiphontem*, and  
Demosthenes: *De Falsa Legatione*.

### III. COMPOSITION.—PROSE.

IV. PHILOLOGY.—Pelle's Introduction to Greek and Latin Etymology; Comparative Philology by Papillon.

V. LITERATURE.—Mahaffy's History of Greek Literature, the portions bearing on the authors and subjects read by the candidate during his college course. Haigh's Theatre of the Greeks.

(6.) Undergraduates taking the Special Course in **Latin and English** may, in each of the third and fourth years of their course, omit any two of the subjects of those years, except Latin and English. They shall be examined in the following subjects, viz.:

#### LATIN.

The Latin subjects prescribed for the Special Course in Classics.

#### ENGLISH.

The subjects of the Senior English Class.

The historical development of the language and literature to the year 1300. *Bright, Anglo-Saxon Reader*. *Sievers, O. E. Grammar* trans. by Cook, Part II. *Morris, Specimens of Early English*, I., and *Lounsbury, History of the English Language*.

History of the Elizabethan and Early Stuart Literature. Lectures, *Sidney, Apologie for Poetrie*, *Hooker, Ecclesiastical Polity*, *Book I. Bacon, Advancement of Learning*, *Select Essays*.

*Marlowe, Edward II., The Jew of Malta, Tamburlaine*. *Webster, The Duchess of Malfi*. *Greene, Friar Bacon and Friar Bungay*. *Jowson, The Alchemist*, *Every Man in his Humor*. *Bonson and Fletcher, Philaster*, *The Knight of the Burning Pestle*. *Massinger, A New Way to Pay Old Debts*. *Shakespeare, The Tragedies*, *Two Noble Kinsmen*. Part of this course is conducted by means of a Seminary.

Books recommended: "History of Literature": Salisbury, Brooke, Clarendon Press "Mosaic" and Arber Editions of Elizabethan works. "East Elizabethan Plays."

(7.) Undergraduates taking the Special Course in **Greek and English** may, in each of the third and fourth years of their course, omit any two of the subjects of those years, except Greek and English. They shall be examined in the following subjects, viz.:

#### GREEK.

The Greek subjects prescribed for the Special Course in Classics.

#### ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

(8.) Undergraduates taking the Special Course in **English and German** must have taken German in the first and second years of their course, and may in each of the third and fourth years omit any two subjects of those years except English and German. They shall be examined in the following subjects:—

#### ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

#### GERMAN.

Middle High German: *Grammar* (Wright's Middle High German Primer); *Selections from Hartmann von Ase*, *Walther von der Vogelweide*, *Nibelungenlied*, *Gudrun*, *Wolfrat von Eckenbach*, *Freidank or Gotfried von Strassburg*, *Sebastian Brant* (*Wackemagel's Kleineres Althochdeutsches Lesebuch*).  
*Selections from Swiss and Pflandisch dialect literature.*

German Literature of the 16th, 17th and 18th centuries, with selections from authors of that period.

Two of the chief literary works of Goethe not read in the ordinary course.  
Translation of unspecified passages from any Modern High German author.

Prose Composition.

(9.) Undergraduates taking the Special Course in **English and English History** may, in each of the third and fourth years of their course, omit any two of the subjects of those years, except English and History. They shall be examined in the following subjects, viz.:

#### ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

## ENGLISH HISTORY.

A minute investigation of English History from A. D. 1603-1689.

*Books recommended:* Green's *History of the English People*, Vol. 3; Lingard's *History of England*, Vols. 8-9; Hallam's *Constitutional History of England*, Chap. VI-VII; Raw's *History of England*; S. R. Gardiner's works on this period; Clarendon's *History of the Great Rebellion*; Masson's *Life of Milton*; Carlyle's *Life of Cromwell*; Foster's *Life of Eliot*; Boyer's *Chief Actors in the Puritan Revolution*.

(10.) Undergraduates taking the Special Course in **Philosophy** may, in each of the third and fourth years of their course, omit any one of the subjects of those years, except Senior Philosophy, which must be taken in both the Third and Fourth Years, and Ethics, which must be taken in the Third Year. They shall be examined in the following subjects:

- A. 1. History of Philosophy from Thales to Reid and Kant.  
Plato: *Theatetus* and *Republic*.  
Aristotle: *Nicomachean Ethics*.  
Descartes: *Method* and *Meditations*.  
Locke: *Essay on Human Understanding*.  
Fraser's *Selections from Berkeley*.  
Hume: *Treatise on Human Nature*, Vol. 1 (with Green's Introduction).  
Reid: *Essays*, VI.  
Kant: *Critique of Pure Reason*, *Critique of Practical Reason*, and *Critique of Judgment* (as in Watson's Selections).
2. James: *Principles of Psychology*.  
Bradley: *Principles of Logic*.  
Green: *Prolegomena to Ethics*.  
Rayce: *Spirit of Modern Philosophy*.
- B. Any two of the following groups—
1. Plato: *Sophist*, *Parmenides*, *Protagoras*, *Republic*, *Phaedo*.  
Aristotle: *Logic*, *Metaphysics*.
2. Descartes: *Method*, *Meditations*, *Principles*. Spinoza: *Ethics*. Caird: *Cartesianism* (*Encyc. Brit.*). Martineau: *Study of Spinoza*.
3. Hegel: *Philosophy of History*, *Philosophy of State*, *Logic* (trans. Wm. Wallace). Seth: *Hegelianism and Personality*.
4. Hobbes: *Leviathan*. Butler: *Sermons*. Mill: *Utilitarianism*. Sidgwick: *Methods of Ethics*, Bk. III. Spencer: *Data of Ethics*. Martineau: *Types of Ethical Theory*, Pt. II, Bk. 2. Calderwood: *Moral Philosophy*, Pt. 1, pp. 36-95, Pt. III, (14th ed.). Sidgwick: *History of Ethics*, chaps. III and IV.
5. Martineau: *Study of Religion*. Lotze: *Philosophy of Religion*. Caird: *Philosophy of Religion*. Smith: *Christian Ethics*. Ecoe Homo.
6. Pellock: *History of Politics*. Green: *Political Obligation*. Kant: *Philosophy of Law*. Spencer: *Justice*, *Matise*; *Ancient Law*. Holland: *Jurisprudence*, Pt. 1.
7. Ziehen: *Physiological Psychology*. Höfling: *Psychology*. Ward: *Psychology* (*Encyc. Brit.*). Ribot: *Contemporary English Psychology*. Anatomy and Physiology of Brain and Nervous System.

(11.) Undergraduates taking the Special Course in **Mathematics and Mathematical Physics** may omit in the third year any two, and in the fourth year any three, of the subjects of those years, except Physics, and must take the Senior Physics Class in both the third and fourth years. They are recommended to take Junior Physics in their Second Year, and in the event of their not having done so, to read, before entering the third year, the Text-Books of the Junior Physics Class which treat of the subjects discussed in the Senior Physics Class in their third year. They shall be examined in the following subjects, viz.:

## MATHEMATICS.

TRIGONOMETRY.—Angular Analysis; Solution of Spherical Triangles; Napier's Analogies; with application to Astronomical Problems.

ANALYTICAL GEOMETRY.—The Conic Sections, and the Equation of the Second Degree between two variables; as far as set forth in any standard treatise on the subject.

CALCULUS.—Differential and Integral, as set forth in any standard treatise on these subjects (Williamson's *Treatises* on these subjects recommended). Differential Equations (selected course), with practical application to Physical Problems (Woolsey Johnston's *Treatise* on the subject recommended).

## MATHEMATICAL PHYSICS.

Either: Kinematics (a) of a point, (b) of a rigid system, and (c) of a deformable system; Dynamics (including both Statics and Kinetics) (a) of a particle, (b) of systems of particles (including flexible strings), (c) of a rigid body, (d) of elastic solids, and (e) of fluids.

Or: Thermodynamics; and Electrodynamics (including Electrostatics).

These subjects are to be treated by the application of Analytical Geometry and the Differential and Integral Calculus.

(12.) Undergraduates taking the Special Course in **Experimental Physics and Chemistry** may, in the third year, omit any one, and in the fourth year, any two of the subjects of those years, except Physics, Practical Physics, and Organic and Practical Chemistry. They must take the Senior Physics class in both the third and fourth years. They are recommended to take the Junior Physics Class in the Second Year, and, in the event of their not having done so, to read, before entering the third year, the Text-Books of the Junior Physics Class which treat of the subjects discussed in the Senior Physics Class in their third year. They shall be examined in the following subjects:

## EXPERIMENTAL PHYSICS.

The Properties of Solids and Fluids, Heat, Electricity, and Magnetism, Light and Radiant Heat, and Sound, so far as these subjects can be treated by elementary mathematical methods. No set of books can be prescribed to show the extent of knowledge required; but in the Advanced Experimental Physics Class, candidates will be advised as to the course of reading to be pursued.

The experimental methods of the following original memoirs—Joule's papers on the determination of the Mechanical Equivalent of Heat, contained in his Scientific Papers (Taylor & Francis, vol. 1, pp. 123, 172, 208, 542, 632; Faraday's Experimental Researches in Electricity (Quaritch), vol. 1, Series III., IV., VI., VII., VIII. Lord Kelvin (Sir W. Thomson's) papers on the electrodynamic qualities of metals contained in his Mathematical and Physical Papers (Camb. Univ. Press), vol. II., pp. 189-695.)

Candidates will be required also to show ability to determine practically important physical constants, such as Density, Specific Heat, Electrical Resistance, &c., and to investigate simple physical laws. Those who aim at High Honours (§ XII) will be expected to prepare a thesis embodying the results of a short original investigation.

#### CHEMISTRY.

**ORGANIC CHEMISTRY.**—Principles of Elementary Analysis, Practical Estimation of Carbon, Hydrogen, Oxygen and Nitrogen. Principles of Classification, Hydrocarbons, Chlorides, &c. Monatomic and Polyatomic Alcohols, Aldehydes, Volatile Fatty Acids. Compound Ethers, Ethers of Glycerine, Saponification, Organic Acids. Carbohydrates, Fermentation. Transformation of the Alcohols, and Laboratory Determinations. Aromatic Group. Compound Amines. Alkaloids.

*Books recommended:* Wurtz's Chemistry, organic Part. Roscoe & Schoddenauer's Chemistry.

*For reference:* Roscoe & Schoddenauer's Wurtz's Dictionary of Chemistry, and other reference works in the Science Series Library.

**PRACTICAL CHEMISTRY.**—Candidates will be required to show familiarity with modes of Manipulation, Preparation of Gases, Preparation of Laboratory Re-agents, Systematic Method of Testing for bases and for acids; also proficiency in one of the following:—(1) QUANTITATIVE ESTIMATION OF METALLIC ORES, (2) DO. OF INORGANIC POISONS, (3) SOIL ANALYSIS, (4) SANITARY ANALYSIS. Special work will be prescribed according to the department selected by the candidate, and suitable books suggested.

*Books recommended for general work:* Marignac's Practical Chemistry, Fresenius's Qualitative Analysis, Thorpe & Appleton. Winkler's Mineral Analysis.

**§ IX.—Attendance.**—(1.) Undergraduates are required to attend with regularity the classes of their respective years. Professors shall mark the presence or absence of students immediately before commencing the work of the class, and shall note as absent those who enter thereafter, unless satisfactory reasons be assigned. The number of times absent, as recorded in the class registers, which shall disqualify for the keeping of a Session, shall be determined by the Faculty.

(2.) With the exception of persons who have qualified for matriculation at the Final Matriculation Examination (§ v. (4), and vi. (5)), no undergraduate shall be allowed to register, as such, more than ten days after the opening of classes, without the special permission of the Faculty.

(3.) Undergraduates of any year, who may have previously attended one or more of the classes of that year, and passed in the subjects of them, shall be exempted by the Faculty from attending those classes a second time.

**§ X.—Examinations.**—(1.) Undergraduates are required to appear as candidates at the various examinations held in connection with the classes which they may attend as parts of their course, and to prepare such theses, essays, reports, &c., as may be prescribed by the Professor. In all classes two examinations are held, one just before the Christmas vacation and the other after the close of lectures in the Spring. In some classes, other examinations are held at dates appointed by the Professor. In the determination of the Pass List and in the award of Class Distinctions, which may be of two grades—First and Second Class, the results of these various examinations and the degree of excellence shown in theses, essays, reports, &c., shall be taken into consideration.

General Students are admitted to the above Examinations as well as undergraduates, so far as the dates of the Almanac may permit; and their positions in the Pass and Distinction Lists are determined in the same way.

Certificates are issued to members of each class stating with what degree of regularity they have attended and what standing they attained.

(2.) Undergraduates who are exempted by § ix, (3), from attendance on one or more classes, shall be exempted also from passing the Examinations in the subjects of them.

(3.) Undergraduates of the Third and Fourth Years who are exempted from attendance in one or more classes, on presentation of certificates from recognized Colleges, shall be exempted from examination in the subjects of those classes on presentation of certificates of having passed examinations therein, in the said Colleges.

(4.) An undergraduate who fails to obtain a position on the Pass List in one or more subjects, at the end of any session, shall be allowed a Supplementary Examination in such subject or subjects at the beginning of any subsequent Session, on the day appointed for that purpose in the University Almanac, (Sept. 18th, 1894). Or, he may be allowed to present himself at the ordinary Christmas and Spring Examinations of a subsequent year.

The ordinary fee for a Supplementary Examination shall be Two Dollars. But, to restrain undergraduates from giving the Examiners unnecessary trouble, a fee of Six Dollars will be required in the following cases: (1) if the undergraduate have absented himself from the Examination for reasons considered insufficient by the Faculty; (2) if his answers at the Examination have been reported by the Examiner as having no value; (3) if he have failed to pass in more than two subjects.

(5.) An undergraduate who has failed to pass in any subject, will not be allowed to enter, as an undergraduate, a more

advanced class in the same subject, or a class requiring a knowledge of the subject in which he has failed, until he has either passed the Supplementary Examination, or satisfied the Faculty that he is able to prosecute the work of the class with profit.

(6.) An undergraduate who fails either to appear, or to pass, at a Supplementary Examination, shall not be allowed a second Supplementary Examination in the same Session, except by special permission of the Faculty; and in cases in which a second Examination is granted, a fee of Three Dollars will be charged in addition to the Supplementary Examination fee.

(7.) Undergraduates wishing to appear as candidates at any Supplementary or Special Examination, shall be required to give notice of their intention, to the Secretary of the Faculty, at least one week before the date of such examination. The fee to be remitted with such notice.

(8.) Students are forbidden to take any book or manuscript into the Examination Hall, except by direction of the Examiner, or to give or receive assistance, or to hold any communication with one another at the Examinations. If a student violate this rule, he may be summarily expelled from the Examination room, and he shall be subject to such other penalty as the Faculty may see fit to impose.

§ XL.—Degrees with Distinction.—Degrees with Distinction will be conferred on undergraduates for special excellence shown at the Examinations of the Third and Fourth Years of any of the ordinary courses for degrees, Mathematics of the Second Year being for the purposes of this rule regarded as a Third Year Class.

In awarding such Distinction the Faculty, while requiring that candidates shall attain a good standing in all their classes will lay special stress on the attainment of a high standing in a few related subjects.

The term used to designate the students' standing will be: With Distinction, With Great Distinction.

§ XII.—Degrees with Honours.—Degrees with Honours in any of the departments of study in which Special Courses are provided, will be conferred on undergraduates for special excellence shown at the Examinations in the subjects of such courses.

Successful candidates will be declared to have obtained their degrees, With Honours, or With High Honours.

A candidate for Honours may defer his examinations in the subjects of his Special Course until a year after he has passed the examinations in the ordinary subjects of the Fourth Year; in which case, however, such candidate shall not be entitled to his Degree until he has passed the examinations of such Special Course.

§ XIII.—Short Courses of Study for General Students.—(1.) For the benefit of students who may not be able to spend four full years at the University, but may be able either to spend two full years or to give partial attendance for a longer period, short courses of study have been arranged, as specified below.

Students entering upon these courses are not required to pass any preliminary examination; but they are recommended not to enter classes in which some knowledge of the subjects studied is assumed, without first consulting the Professors as to their ability to enter with profit upon the work of the classes.

To students who attend the classes in these courses with regularity, show diligence in the class work, and are successful in passing the examinations, certificates will be issued stating the nature of the course pursued and the degree of success attained.

The details of the subjects studied in the classes mentioned below, will be found under Courses of Instruction (§ § i, xlvii.).

(2.) **Short Course of Liberal Studies.**—The aim of this course is to give the student the same kind of training as that provided by the B. A. and B. L. courses. It consists of ten classes. Of these, two must be in English, and the remainder may be selected by the student, subject to the provision of the Time Table, from the other subjects mentioned in this paragraph, with the following restrictions:—(a.) One of the four subjects—Latin, Greek, French, German—must be taken during two years, and if another of these subjects be selected, it also must be taken during two years. (b.) At least two of the four subjects—Mathematics, Physics, Chemistry, Botany,—and at least two of the three subjects,—History, Political Economy and Philosophy,—must be taken for one year each; and any two of them, if subjects in which two classes are provided, may be taken during two years. The class in any subject which a student shall enter will be that for which he is fitted by his previous study.

(3.) **Short Course in Subjects bearing on Journalism.**—The aim of this course is to enable a student to study as thoroughly as the time at his disposal will permit subjects which have a direct bearing on newspaper work in Canada. It consists of the following classes:—English, (2nd year and Senior Classes), French, (during two years), Junior Philosophy, Ethics, History, (3rd and fourth years Classes), Political Economy, Constitutional History and Constitutional Law. Persons who have already have acquired the requisite proficiency in some of the above subjects, may take other subject in place of those or complete the course by attending the classes, and passing the examinations, in the remainder.

(4) **Short Course in Subjects bearing on Commerce.**—This course is intended for young men who wish, before entering business offices to spend two years in studies bearing on their future work. It consists of ten classes, of which two must be in English, other two in one of the commercial languages—French, German,—the remaining six being selected from the following:—French, German, Mathematics, Physics, Chemistry, Political Economy, Contracts, Sales of Personal Property, Negotiable Instruments, Partnership and Companies and Marine Insurance.

Students who take this course may supplement it by obtaining, during the summer vacations, the practical training in business methods provided by a Business College.

§ XIV.—**Extra Classes not Qualifying for a Degree.**—From time to time classes are organized for the benefit of persons not wishing to proceed to a degree. Announcements of such classes are made at the beginning of the term.

#### § XV.—Medals and Prizes.

*(The Senate reserves to itself the right of withholding Medals and Prizes in cases in which sufficient merit is not shown).*

THE GOVERNOR-GENERAL'S GOLD MEDAL, which has been heretofore offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded, if continued, to the undergraduates standing highest among those taking Honours in the Department of Classics, the winners of other medals being excluded. In the event of its not being awarded in this department, it may be awarded in the department of Latin and English, or in that of Greek and English, or in some other department.

THE GOVERNOR-GENERAL'S SILVER MEDAL, which has been heretofore offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded, if continued, to the undergraduate standing highest among those taking Honours, the winners of other medals being excluded.

THE SIR WILLIAM YOUNG GOLD MEDAL, founded by bequest of the late Hon. Sir William Young, will be awarded to the undergraduate standing highest among those taking Honours in the department of Mathematics and Mathematical Physics, the winners of other medals being excluded.

NORTH BRITISH SOCIETY BURSARY.—A Bursary of the annual value of \$60, founded by the North British Society of Halifax, is offered for competition at the Examinations of the Second Year's Course in Arts; it is tenable for two years; namely, during the Third and Fourth Years of the Undergraduate Course in Arts. Candidates must be undergraduates

who have completed two years of the Curriculum, and must be eligible at the proper age, to be members of the North British Society. The next competition will take place in April, 1896.

THE WAVERLEY PRIZE.—This prize, the interest of an endowment of \$1000, will be awarded annually to the student of the Second Year Mathematical Class, who stands highest at the Examinations in the Mathematics of the year, the winner of the North British Society Bursary being excluded.

THE AVERY PRIZE.—This prize, the interest of \$500, bequeathed for this purpose by the late J. F. Avery, M.D., will be awarded on graduation to the student standing highest among those graduating with Distinction. See § xi.

SCHOLARSHIPS.—The following scholarships are offered for competition at the Junior Matriculation Examination in the Faculties of Arts and Science. See § v.

(a.) Five Sir William Young Scholarships; of the value of Forty Dollars each, tenable for one year and payable in two instalments.

(b.) Two Professors' Scholarships; entitling to exemption from fees throughout the entire course, in classes conducted by Professors in the Faculties of Arts and Science; provided the Scholar make progress satisfactory to the Faculty.

They will be awarded to the seven candidates ranking highest at this Examination; provided their standing is considered satisfactory by the Faculty. The successful candidates will be allowed to select, in order of their standing, the scholarships which they shall hold.

THE NEW BRUNSWICK ALUMNI PRIZE, of the value of Fifty Dollars, which is offered by the N. B. Alumni Association of Dalhousie College, will be awarded to the student from New Brunswick who stands highest among those passing the Matriculation Examination, September, 1894, provided he (or she) has received the greater part of his (or her) education in N. B., and has not been at school outside of the Province for more than a year previous to the date of the examination; also, provided he (or she) has not been awarded one of the Sir Wm. Young or Professors' Scholarships.

§ XVI.—1851 Exhibition Science Scholarship.—The scholarship offered by Her Majesty's Commissioners for the Exhibition of 1851, which is of the annual value of £150 sterling, and is tenable for two years (see Faculty of Science, § xxxix), is open to students of the University.

§ XVII.—Residence.—All students are required to report their places of residence to the President on or before the day appointed in the University Almanac (October 19th).

All student not residing with relatives or friends are required to reside in approved lodging-houses.

Persons who wish to take students as boarders, must furnish the President with satisfactory references. A Register is kept by the President, containing the names of those persons who have satisfied this condition; and, for the convenience of students, a list of the names and addresses of such persons will be posted on the notice-board in the College hall at the beginning of the Session.

Lady undergraduates in any Faculty are admitted, on certain conditions, as boarders to the Halifax Ladies' College.

§ XVIII.—**Church Attendance.**—All students under twenty-one years of age not residing with parents or guardians, are required to report to the President on or before the day appointed in the University Almanac, (October 20th), the churches they intend to make their places of worship during the Session. Intimation will be made to the various clergymen of the city, of the names and addresses of the students who have chosen their respective churches as places of worship.

§ XIX.—**Discipline.**—The Senate may use all means deemed necessary for maintaining discipline.

§ XX.—**Degrees of Master of Arts and Master of Letters.**—(1.) A Bachelor of Arts or of Letters of at least one year's standing, maintaining meanwhile a good reputation, shall be entitled to the Degree of Master of Arts or of Letters, respectively, on producing a satisfactory thesis, embodying the results of original work on some literary, philosophical, or scientific subject. The subject must have been previously approved by the Faculty. The thesis must be handed in on or before 1st March.

In order to encourage students to pursue special courses of advanced study after graduation, the Degree of Master of Arts or of Letters may be conferred on Bachelors of Arts or of Letters fulfilling the following condition:—

Passing a satisfactory examination on a course of study approved by the Faculty; such courses to be confined to one department, or to closely related departments; and to be equivalent in amount to the work of an academic year.

The intention of the Faculty is to adapt these special courses of study to the capacities and tastes of the individual students.

The following courses have been recently prescribed for M. A. Examinations:

#### EXPERIMENTAL PHYSICS AND CHEMISTRY.

Outwall's *Outlines of General Chemistry* (Macmillan & Co.); Glazebrook's *Physical Optics* (Longmans, Green & Co.); Joule & Thomson's memoirs on the thermal effects of fluids in motion.—Sir Wm. Thomson's *Mathematical and Physical Papers* (Cambridge University Press) Vol. I, pp. 333-453; Sir Wm. Thomson (Lord Kelvin's) memoirs on the Electrodynamic qualities of metals.—Sir Wm. Thomson's *Mathematical and Physical Papers*, Vol. II, pp. 189-407; Hittorf's memoir on the conduction of electricity in gases, and Palou's memoir on Radiant Electric Matter.—*Physical Memoirs from Foreign Sources* (Taylor & Francis, London), Vol. I, Part 2, pp. 111-321.

The examination papers on the above memoirs will assume a general knowledge of the earlier experimental investigations of the subjects treated in them, such as may be obtained in treatises on Heat and Electricity.

#### CLASSICS.

GREEK.—Aeschylus; Agamemnon, Choephorae, Septem contra Thebes, Antigone, Thucydides; First and Seventh Books of History, Demosthenes; Contra Ctesiphontem, De Falsa Legatione.

LATIN.—Plautus; Aulularia, Truculentus, Terence; Andria, Heautontimorumenos, Cicero; Select Letters, (Muirhead's Ed., Haringtons, London), Tacitus; History III, IV, V, Latin and Greek Prose Composition.

For other courses, consult Calendar for 1892-4, A p. 53.

Examinations for M. A. and M. L., will be held at the time of the Spring examinations for B. A. In special circumstances an examination may be granted in the Autumn, but in that case a fee of Ten Dollars will be charged. In case of failure, the fee will not be returnable; but the candidate will be allowed a second examination without further fees.

Candidates must give at least a month's notice of their intention to appear at an M. A. or M. L. Examination. For fee see § XXIV.

§ XXI.—**Degree of Doctor of Laws.**—The degree of Doctor of Laws may be conferred, *honoris causa*, for eminent literary, scientific or professional distinction.

§ XXII.—**Admission ad Eundem Gradum.**—Graduates of Universities approved by the Senate, who have received their degrees in course, shall be admitted *ad eundem gradum* in this University, on producing satisfactory proof of character and academic standing. For fee see § XXIV.

§ XXIII.—**Academic Costume.**—(1.) Bachelors and Masters of Arts, and Bachelors and Masters of Letters, of this University, shall be entitled to wear gowns, of black stuff, and hoods. The distinctive part of the costume is the hood. The following are the kinds of hood appointed for the various degrees:—

B. A.—Black stuff lined with white silk and bordered with white fur.

M. A.—Black stuff lined with crimson silk.

B. L.—Black stuff, with a lining of white silk, bordered with light blue silk.

M. L.—Black stuff, with lining of light blue silk.

L.L.D.—Doctors of Laws shall be entitled to wear gowns of black silk and hoods of black silk lined with purple silk.

(2.) Successful candidates for these degrees shall be required to appear at Convocation in the proper academic costume, to have the degrees conferred upon them. Degrees will be conferred in the absence of the candidate only by special permission of the Senate.

§ XXIV.—Fees.—(1.) Fees are payable by students for Registration, (entitling to the use of the Library and the Gymnasium,) for classes attended, and for certain examinations. They are payable in advance.

No student is allowed to enter a class until he has paid the proper fees.

The following is a statement of the fees payable by students, whether undergraduates or general students:

Registration Fee, payable annually by all students taking more than one class	8 4 00
Registration Fee, payable by students taking only one class	2 00
Fee for each class attended, (not being Practical Classes) per Session	6 40
Fee for the Practical Chemistry Class, three hours a week, per Session	8 40
Fee for the Practical Chemistry Class, five and not exceeding ten hours a week	14 00
Fee for the Practical Physics Class, five hours a week, per Session, ten or more hours a week	12 00
Supplementary Examination Fee, payable on giving the notice required by § x. (7), either \$2.00 or (if x. (4)) granted (if x. (4))	3 00
Special Examination Fee, payable on giving the notice required by § x. (7)	2 00
Fee for Special certificates of Standing, under Seal	5 00

Undergraduates who entered previously to 1894-95 are referred to the Calendar of 1893-94 for scale of fees applicable in their case.

(2.) The graduation fees shall be as follows:—

*Fee for the B. A. or B. L. Examination, which is payable by candidates before the Spring Examinations of the Fourth Year	5 00
*Fee for M. A. or M. L. Examination, which must accompany the Thesis, or intimation of intention to appear for examination	10 00
Fee for B. A. or M. A. (not candidates)	10 00

\*In case of failure in the examination, the fee will not be returned; but a second examination will be allowed without further fee.

## Faculty of Pure and Applied Science.

THE PRESIDENT (ex-officio).
CHARLES MACDONALD, M. A.
GEORGE LAWSON, Ph. D. LL. D.
JAMES LACROIX, A. M.
J. GORDON MACGREGOR, D. Sc.
ARCHIBALD MACMILLAN, B. A., Ph. D.
MARTIN MURPHY, D. Sc., C. E.
EDWIN GIFFER, JR., A. M., LL. B., F. G. S.
F. W. W. DANK, C. E.
C. E. W. DODWELL, B. A., M. I. C. E.
ROBERTSON McCOLL, C. E.
WALTER C. MURRAY, M. A.
ALEXANDER MCKAY, Esq.
A. W. H. LINDSAY, M. D.

*Dean of the Faculty:* PROF. MACGREGOR.  
*Registrar of the Faculty:* PROF. LACROIX.

### § XXV.—Courses of Instruction.

#### I.—MATHEMATICS.

*Professor*..... C. MACDONALD, M. A.

##### First Year Class.

*Daily, 11 A. M.—12 M.*

As in the Faculty of Arts (see § I, vi.)—Undergraduates of this Faculty, taking Courses A, B, M, F, G, or H, (§ XXX.) will be expected both to qualify themselves by diligent study for taking, and to take, the additional work for Distinction.

##### Second Year Class.

*Daily, 10—11 A. M.*

As in the Faculty of Arts (see § I, vi.)—Undergraduates of this Faculty taking Courses A, B (if they are to enter the Special Course in Physics and Physical Chemistry, § XXXI.), E, F, G, or H, are required to qualify themselves by diligent study for entering, and to enter, the Higher Division of this Class. Only students who pass a satisfactory examination in the work of the Higher Division are admitted to the Advanced Class, which is one of the third year classes in the courses mentioned above.



**Advanced Class.**

As in the Faculty of Arts (see § I, vi.)—The work of the First Division of this class is taken up in the Third Year, that of the Second Division in the Fourth Year.

The "partial course" of study prescribed in the Third Year of some of the B. Sc. Courses (§ XXX.) consists of a portion of the work of the First Division, viz., Analytical Trigonometry, Analytical Geometry, and Differential Calculus.

The "partial course" prescribed in the Fourth Year of such Courses, consists of a portion of the work of the Second Division, viz., Differential and Integral Calculus and Differential Equations.

**II.—PHYSICS.**

Professor..... J. G. MacGibbon, D. Sc.

**Junior Physics Class.**

*Tuesdays, Thursdays, and Fridays, 11 A. M.—12 M.*

The subjects of the lectures will be:—The Elements of Dynamics, the Properties of Solid and Fluid Bodies, Heat, Electricity and Magnetism, Light and Radiant Heat, and Sound. These subjects will be treated in an elementary manner, the mathematical knowledge assumed being no greater than may be acquired in the First Year Class.

Besides the Christmas and Spring Examinations others are held at unspecified dates, and students are expected throughout the Session to hand in Problem Papers for correction and criticism.

The following works are recommended as books of reference:—Lodge's Elementary Mechanics (W. & R. Chambers), Garnett's Elementary Treatise on Heat (Beighton, Bell & Co.), Culling's Electricity Treated Experimentally (Livingston), Newhall's Natural Philosophy, Part IV—Sound and Light (Blackie & Son), and Cuttwell & Stodd's Applied Mechanics, Part III—Hydraulics (Macmillan & Co.). Illustrative problems may be found in Jones's Examples in Physics (Macmillan & Co.).

**Senior Physics Class.**

*Mondays and Wednesdays, 10—11 A. M.*

The course of study will extend over two years, and will assume a knowledge of the Mathematics of the Second Year class.

In 1894-95 the subjects studied will be Kinematics, Dynamics (including Kinetics and Statics), Hydrodynamics (including Hydrostatics and Hydraulics) and Elasticity. The Professor's Kinematics and Dynamics (Macmillan & Co.), will be used as a text book, being supplemented by reference to other works, especially in the discussion of graphical methods, and of Hydraulics. Students will be expected to acquire considerable power of solving dynamical problems, to practise the graphical solution of problems in the Drawing room, and to read privately specified portions of the books of reference on subjects not fully discussed in class.

In 1895-96 the subjects will be: Heat, including the general principles of Thermodynamics, Air and Gas engines, and the Steam engine; Electricity and Magnetism, including Dynamo-electric machines and electric motors, Shann's Elementary Treatise on Heat (Macmillan &

Co.), Culling's Theory of Electricity (Macmillan & Co.), Ewing's article "Steam Engine" in the Encyclopædia Britannica (A. & U. Black: the Part containing the article may be obtained separately from the publishers at 7/6), and Jackson's Electro-Magnetism and the Construction of Dynamos (Macmillan & Co.), will be used as books of reference. Students will be expected to read privately specified portions of these works not treated in class.

**Advanced Mathematical Physics Class.**

As in the Faculty of Arts, (see § I, viii.)—The "partial course" of study in this class in the Fourth Year of some of the B. Sc. Courses, (§ XXX), consists of the following subjects:—

For 1894-95: Either Thermodynamics or Electrodynamics.

For 1895-96: Kinematics and Dynamics of a particle and of a rigid body.

**Advanced Experimental Physics Class.**

As in the Faculty of Arts (see § I, viii.).

**Practical Physics Class.**

As in the Faculty of Arts (see § I, viii.).—Students taking course B, (see § XXX) will devote considerable portion of their time to physico-chemical methods of experiment; those in course C to illustrative experiments and the determination of simple physical laws; those in course D to thermal and electrical experiments; those in courses E, F and G, to the elastic properties of bodies and thermal and electrical experiments; and those in course H to electrical measurements.

**III.—CHEMISTRY.**

Professor..... G. Laxson, Ph. D., L. D.

**Inorganic Chemistry Class.**

*Tuesdays, Wednesdays and Fridays 9—10 A. M.*

As in the Faculty of Arts (See § I, viii.).

**Organic Chemistry Class.**

*Mondays and Thursdays, 9—10 A. M.*

As in the Faculty of Arts, (§ I, viii.).

**Practical Chemistry.**

In addition to the work sketched in § I, viii, instruction will be given to students of this Faculty in the use of the Blow-Pipe for qualitative determinations of the constituents of Economic Minerals and Metallic Ores, and in wet processes for quantitative estimates; also preliminary instruction in the practical examination by the microscope and experimentally, of the physical and chemical characters of sands, building stones, lime, brick, clays, cements, and other building materials, &c. The nature and extent of the work undertaken by the student, will, in each case, be determined and regulated by his special requirements. Should special training be desired in any chemical industry not indicated, the necessary scientific instruction will be given as far as practicable.

## IV.—MINERALOGY AND LITHOLOGY.

Lecturer.....G. LAWSON, Ph. D.

## Systematic Class.

A course of systematic instruction in Mineralogy and Lithology will be conducted in the Museum, illustrated by the McCulloch Collection.

## Assaying.

The work of this class will be devoted to mineral analysis and the assaying of ores of Iron, Antimony, Copper, Lead, Silver, Zinc, &c.; Gold quartz, Plaster, Coal, Manganese Oxide, Barytes, Phosphatic Minerals, &c.

## V.—APPLIED MECHANICS.

Lecturer.....J. G. MACGREGOR, D. Sc.

## Prize a week.

The object of this class is to study the practical application of Dynamics to the various branches of Engineering. The series of lectures will form a two years course, so arranged that students may enter the class at the beginning of either year. The subjects studied will be as follows:

In 1894-95. *Resumé of the Principles of Statics*: The Theory of Structures, including the equilibrium and stability of beams, frames, trusses and girders, of chains, cords, and ribs, and of abutments, arches and vaults, with straining actions due to loads; the Strength of Materials, including the relation of stress to strain and resistance to stretching, shearing, crushing, bending, twisting, and wrinkling. Graphical methods will be studied and practised in the Drawing-room, Housins' Elements of Statics (Macmillan & Co.) being used as text book. Other books of reference will be announced at the opening of the class.

In 1895-96. *Resumé of the Principles of Dynamics*.—The Mechanics of Machinery, including (a) Kinematics: relative velocities and accelerations; velocity and acceleration diagrams; link-work, wheel teeth, belts, cams, the screw, exotic mechanisms, bevel and skew gearing, parallel motions, &c. (b) Dynamics: equilibrium of mechanisms, force and work diagrams, inertia of moving parts, fly-wheels, governors, friction. (c) Energetics: production, transmission and measurement of power, prime movers.—Kennedy's Mechanics of Machinery (Macmillan & Co.), will be used as a text book, being supplemented by reference to other works.

Students will be expected to acquire considerable power of solving problems, to practise the graphical solution of problems in the Drawing-room and to read privately, specified portions of books of reference on subjects not fully discussed in class.

## VI.—DRAWING.

The University provides no instruction in this department; but the following classes of the Victoria School of Art and Design are recognised as qualifying for a degree:

The classes in the subjects of Free-hand Drawing, Geometrical Drawing, Shaded Drawing from the Round, Modelling in Clay,

Principles and Practice of Decorative Design, and Elements of Perspective. This course of instruction extends over three years and is the one to be taken by students preparing for Science Masterships in Schools.

The classes in Mechanical Drawing, including Practical Geometry, Descriptive Geometry, Projection of Lines, Planes and Solids, Sections by Planes, Developments, Penetrations, Curved Surfaces and Surfaces of Revolution, Preparation of Working Drawings of Machines to scale. This course of instruction extends three over years, and is the one to be taken by Engineering Students.

The class in Building Construction and Architecture may be taken by Civil Engineering Students instead of the third year of the Mechanical Drawing Class.

## VII.—CIVIL ENGINEERING.\*

Lecturer.....M. BEAVER, D. Sc., C. E., Provincial Engineer.

## Once a fortnight.

The subjects treated will be:—Materials and Constructions; Earth-work; Masonry; Carpentry; Structures of Timber, Stone and Iron; the Construction of Common Roads; Railways; Bridges; Water Supply for Towns; and Reclamation of land from the sea.

Such works as are named above are generally in operation in Nova Scotia, under the supervision of the Provincial Engineer, and advanced students in the Engineering Class will be afforded an opportunity of examining them under construction.

Text books and books of reference will be announced at the opening of the class.

## VIII.—SURVEYING.\*

Lecturer.....R. McODD, C. E., Asst. Provincial Engineer.

## Once a fortnight.

The subjects treated will be: Chain Surveying; Angular Surveying; Calculating Areas; Use and Adjustment of Transit, Theodolite, Level (Dumpy, Wye, &c.), Aneroid Barometer, Plane Table, and other field instruments; Contour Surveying; Flotting; Typographic; Levelling (including indirect and barometric.)

Practical operations will be carried on in the field and will include Chain and Compass Surveys, Measurement of Base Lines, Triangulation Survey, Preliminary and Location Survey of a line of road, setting out work, etc.

Students will be expected to keep complete notes and to prepare all drawings required from them.

Text books and books of reference will be announced at the opening of the class.

\* If in any year there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the students will pursue a course of reading under the supervision of the Lecturers. The practical part of the class work will always be carried out.

## IX.—MINING.\*

Lecturer.....E. GRAY, JR., A. M., L. S. D.

*A Course of Twelve Lectures.*

The subjects of the lectures will be: Geology in relation to Mining; Occurrence of Veins and Beds; Preliminary Operations; Valuation of Properties; Shaft and Slope Sinking; Mining Operations; Unrestricted and stratified minerals; Ventilation; Pumping; Hoisting; Mining Appliances, Tools, &c.; Cleaning of Ores and Coals.

*Text Books* (preliminary list): Smith's Coal Mining; Andri's Treatise on Coal Mining; Casser's Coal Mining; Passer's Treatise; Dana's Metalliferous Mines; Merrill's Notes and Formate; Geikie's Outlines of Field Geology; Whitney's Manual of Mining.

## X.—HYDRAULIC ENGINEERING.\*

Lecturer.....G. E. W. DOUGLAS, B. A., M. I. C. E.

*Once a Fortnight.*

The subjects treated will be as follows:—

Flow of water through orifices and short tubes, and in pipes and open channels.

Water supply to cities and towns; Quantity and quality necessary; Rainfall, watershed, springs, wells, lakes and rivers; Storage of water in natural and artificial reservoirs; Measuring weirs and stream gauging; Filtration and other methods of treating impure waters; Construction of dams of stone, earth and timber; Details of construction of a town supply; Mains and distribution pipes, thickness, weight, strength, methods of moulding, preserving and laying; Valves, hydrants, &c.; Pumping engines.

Turbines and water-wheels.

River improvements.

## XI.—MUNICIPAL ENGINEERING.

Lecturer.....F. W. W. DEANE, C. E.

*Once a fortnight.*

The subjects treated will be:—Streets,—laying out, opening, formation, sidewalks, paving, cleaning, sprinkling; Street railways, elevations, &c.; Works of sewerage—grades, materials, foundations, sectional form, course, ventilation, flushing, subsoil drainage, intercepting sewers, sewage disposal, &c.; House drainage and plumbing, roof water disposal, cesspits, disposal of garbage, &c.; Building inspection; water supply, plumbing—service pipes, stopcocks, effect and prevention of waste, &c.

\* If there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the student will pursue a course of reading under the supervision of the Lecturer.

## XII.—BOTANY.

Lecturer.....G. LAWSON, Ph.D., L. S. D.

In addition to the work laid down in the Faculty of Arts (B. I. IX), practical instruction will be given in the collecting, drying and mounting of specimens, botanical dissection, the use of the microscope, Preparing of Sections, Mounting of Preparations, and Microscopical Analysis, to students who are prepared to give the necessary time for such instruction.

Students of the C or D Course in the Faculty of Pure and Applied Science are required, during the summer vacation, to engage in practical botanical work, and to present on entering their second year, either a report upon Microscopical work in some special department during the summer, or a collection of specimens of native plants of the district of their residence, properly prepared and named, accompanied by a systematic catalogue.

## XIII.—PHYSIOLOGY.

The University provides no instruction in this subject; but the class conducted in the Halifax Medical College is recognized as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11—12 A. M. The fee for the course is \$12.00, and for a certificate of examination, \$3.00.

## XIV.—HISTOLOGY AND EMBRYOLOGY.

The University provides no instruction in this subject, but the class conducted by G. M. Campbell, B. A., M. D. and C. D. Murray, M. B., in the Halifax Medical College, is recognized as qualifying for a degree. The class meets on Mondays, Wednesdays and Fridays, at 11—12 A. M. The fee for the course is \$15.00, and for a certificate of examination, \$2.00.

## XV.—ANATOMY.

The University provides no instruction in this subject, but the Junior Anatomy Class and the Practical Anatomy Class conducted in the Halifax Medical College by Professor A. W. H. Lindsay, M. D., are recognized as qualifying for a degree. The Junior Anatomy Class meets on Mondays, Wednesdays and Fridays, at 10—11 A. M.; fee \$12.00. The Practical Anatomy Class meets daily, 3—5 and 8—10 P. M.; fee \$12.00. Examination fee (covering both classes), \$3.00.

## XVI.—MENTAL SCIENCE.

Professor.....WALTER C. MERRAT, M. A.

The class in Mental Science is that known in the Arts Faculty as Junior Philosophy.

The aim of the course in Logic is chiefly disciplinary. In the Psychological course experiments will be introduced as much as possible not merely for purposes of illustration but also to supply data for inductions of psychological laws. Special attention will be given to the relation of Psychology to Educational methods.

*Text Books:* Mill's or Fowler's or Jevons's Logic; James' Psychology, (Brief Course); Recommended for students in Education: Sully's Teacher's Handbook of Psychology; McCall's Applied Psychology.

## XVII.—EDUCATION.

Lecturer.....ALEX. MCKAY, Esq.  
 Prof. W. G. MURRAY, M. A.

## Class of Theory and History of Education.

Wednesdays, 4-6 P. M.

The work of this class consists of two separate courses of lectures. The course on the History of Education is given by Mr. McKay on Wednesdays, at 4-5 P. M.; the course on the Theory of Education is given by Prof. Murray on Wednesdays, 5-6 P. M.

(1.) *History of Education, and School Law.*

This course consists of lectures and recitations on: (a) The History of Education in different ages and countries; Comparison of Education systems; Theories of writers on Education; Eminent educators. (b) School Law.

*Text Books:* *Compendium of History of Pedagogy*.—The following books are also recommended: *Quick's Educational Reformers*; *Knowling's Educational Theories*; *School Law of Nova Scotia, 1896.*

(2.) *Theory of Education.*

In this course the principal questions of educational science, such as the End, the Methods, the Materials, the Status, the Teacher, the School, will be considered. Three types of Educational Theory, Instructionalism, Disciplinism, and Culture, will be critically considered.

*Books recommended:* *Sewson's, Education*; *Lorick's, Thoughts on Education* (edited by E. H. Quick); *Thorpe's, Theory and Practice of Teaching*; *Laurie's, Institutes of Education*; *Laurie's, Language and Logical Method*; *Phil's, Lectures on Teaching*; *Report of Committee on Secondary Education* (Bureau of Education U. S. A.).

## Class of the Practice of Education.

The work of this class will consist of (a) Lectures by Professors of the College and prominent Teachers in the city schools on methods of teaching different subjects, and by Mr. W. T. Kennedy, of the Halifax Academy, on School Management; (b) Observation of the practice of successful teachers, and practice in conducting schools; and (c) Discussions on points raised in the course of the observation and practical experience of the class.

Members of the class who pass satisfactory examinations on the subjects studied, and are favorably reported upon by the superintendents of their practical work, will be granted certificates showing the standard of excellence attained and the time spent in practice.

Students who take this class as part of Course C for the degree of B.Sc. (§ XXX) will be required to spend at least 200 hours in practical work under supervision approved by the Faculty. Those who take the class as part of the Course for the Diploma of Literature in Education (§ XXXVI) will be required to spend at least 400 hours in practical work.

*Textual books:* *DeGarmo's Essentials of Method*; *Phil's, Lectures on Teaching*; *McBurry's, General Method*; *Baldwin's School Management*.

## XVIII.—ENGLISH.

Professor.....ARNDINA MACDONALD, Ph. D.

As in the Arts Faculty, (§ I, II).

## XIX.—FRENCH AND GERMAN.

Professor.....J. LEIGHT, M. A.

As in the Arts Faculty, (§ I, II).

§ XXVI.—The Academic Year consists of one session. The Session of 1894-95 will begin on the 12th September, 1894, and end on the 23rd April, 1895.

§ XXVII.—Admission of Students.—The regulations for the admission of students to the classes of this Faculty are the same as in the Faculty of Arts (§ II).

## § XXVIII.—Degree of Bachelor of Science (B.Sc.).

(1.) The regulations for the admission of students to the courses of study leading to this degree are the same as in the case of the B. A. and B. L. degrees in the Faculty of Arts, (§ IV, 2-4).

(2.) Undergraduates who have completed a portion of their Arts or Science Courses either in this University or elsewhere, will be admitted to such advanced standing in the courses leading to the above degree, as the subjects which they have studied may seem to warrant, and arrangements will be made to enable them to complete the courses in as short a time as possible.

(3.) Candidates for the degree of B. Sc. are required to pay a fee of five dollars, before the final examinations for the degree. In the event of failure the fee will not be returned, but the candidate will be admitted to one subsequent examination without payment of this fee.

## § XXIX.—Matriculation Examinations.—(1.) The

Junior Matriculation Examination by which a student may gain entrance to the first year of the various courses in this Faculty, is the same as that prescribed for candidates for entrance into the first year of the B. L. Course in the Faculty of Arts. The regulations as to distinction, exemptions, dates, &c., are the same as in the case of the Junior Matriculation Examination of the Faculty of Arts (see § V).

(2.) The subjects of the Senior Matriculation Examination by which a student may gain entrance to the Second Year of the various courses in this Faculty, consist of the subjects of the Junior Matriculation Examination, and of the First Year of the course in which he wishes to enter (§ XXX) The regulations as to exemptions, dates, &c., are the same as in the case

of the Senior Matriculation Examination of the Faculty of Arts (see § vi, 2-5).

§ XXX.—Courses of Study for Degree of B. Sc.—Eight Courses of Study are provided, which lead to the Degree of B. Sc. They are as follows:—

Course A has as main subjects Mathematics and Physics, and is suited to the requirements of students who wish to prepare themselves for higher teaching positions in these departments, or to obtain a thorough ground work for a subsequent course in Engineering.

Course B has as main subjects Experimental Physics and Chemistry, and is intended to enable students to prepare themselves for higher teaching positions in these departments, or for engaging in chemical industries.

Course C includes a study of the various sciences, of English and other Modern Languages, of Drawing, and of Education, and is designed to prepare students to discharge the duties of Science Masters in High Schools.

Course D has as main subjects Chemistry and Biology, and is especially suitable for students who intend to enter upon the study of Medicine. It includes a sufficient number of the scientific subjects of the medical curriculum to enable the student to shorten his subsequent medical course by one year. Students taking this course should matriculate in the Faculty of Medicine at as early a stage as possible. Classes taken in this course which are common to it and the M. D. C. M. course are recognised as qualifying for that degree, provided the student has already matriculated in Medicine, and pays the fees required by the regulations of the Faculty of Medicine.

Courses E, F, G, H, are intended for students who aim at becoming Civil, Mechanical, Mining or Electrical Engineers respectively. Their main subjects are Mathematics, Physics (including Dynamics and Applied Mechanics), and Drawing, and they include also courses of lectures on the practice of different departments of Engineering, kindly offered by leading engineers of the City of Halifax. Course H includes the foundation of pure science, and the earlier stages of the practical study of electricity, which are necessary for the electrical engineer.

The following is a statement of the classes which must be attended in these various courses. Details as to the subjects studied in these classes will be found under Courses of Instruction (§ XXV). Classes to which the letters A, B, &c., are attached, are to be taken in the Courses indicated above by the same letters. Those to which no such letters are attached, are common to all the Courses.

#### First Year.

- (1.) Mathematics.
- (2.) Inorganic Chemistry.
- (3.) For A, B, E, F, G, H, Drawing. For C, D, Botany.
- (4.) English.
- (5.) French.
- (6.) German.

Practical work in Botany will be prescribed for students taking Courses C, D, the work to be done during the summer vacation.

#### Second Year.

- (1.) Mathematics\*.
- (2.) Junior Physics\*.
- (3.) Practical Chemistry.
- (4.) Drawing.
- (5.) English.
- (6.) French or German.

#### Third Year.

- For A.—Advanced Mathematics; Senior Physics; Mental Science; French or German.
- For B.—Senior Physics; Organic Chemistry; Practical Chemistry; Assaying or Practical Physics; French or German.
- For C.—Practical Physics; Practical Chemistry; Mental Science; French or German; Drawing; Education (Theory and History and Practice).
- For D.—Practical Physics; Organic Chemistry; Practical Chemistry; Mental Science; French or German.
- For E.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Drawing; Surveying.
- For F.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Assaying; Drawing; Surveying.
- For G.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Assaying; Drawing; Surveying.
- For H.—Advanced Mathematics; Senior Physics; Practical Physics; Applied Mechanics (Mechanics of Machinery) or Drawing.

#### Fourth Year.

- For A.—Advanced Mathematics; Senior Physics; Advanced Mathematical Physics; French or German or Practical Physics.

\* Undergraduates taking Courses A, E, F, G, H, and those taking B, if they are to enter the Special Course in Physics and Physical Chemistry, must give special attention to Mathematics in the Second Year. Unless they meet satisfactory examinations in this subject, they are not allowed to enter the Advanced Mathematics Class in the Third Year.

- For B.—Senior Physics; Practical Physics; Practical Chemistry; Mineralogy; French or German.
- For C.—Organic Chemistry; Mineralogy; Physiology; Drawing; French or German; Education (Practic).
- For D.—Practical Chemistry; Physiology; Anatomy; Practical Anatomy; Histology and Embryology; French or German. (An undergraduate taking Course D, who wishes his Fourth Year to qualify for a medical degree, must previously to his entering upon it, have satisfied the requirements of the Medical Faculty with regard to Matriculation and must also satisfy its requirements as to the payment of fees. —See Faculty of Medicine).
- For E.—Advanced Mathematics (partial course); Senior Physics; Advanced Mathematical Physics (partial course) or Practical Physics; Applied Mechanics; Mineralogy; Civil Engineering; Hydraulic Engineering.
- For F.—Advanced Mathematics (partial course); Senior Physics; Advanced Mathematical Physics (partial course); Practical Physics; Applied Mechanics; Civil Engineering; Hydraulic Engineering.
- For G.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Mineralogy; Mining; Civil Engineering; Hydraulic Engineering.
- For H.—Advanced Mathematics; Advanced Mathematical Physics (partial course); Senior Physics; Practical Physics; Drawing or Applied Mechanics (Mechanics of Machinery).

### § XXXI.—Special Courses for Degree of B. Sc.—

(1.) An undergraduate shall be allowed during the third and fourth years of his B. Sc. course, to restrict his attention to a more limited range of subjects than that of most of the above ordinary courses, provided his standing at the examinations of the First and Second Years, especially in the subjects corresponding to the Special Course on which he proposes to enter, seems to the Faculty to warrant such restriction.

Special Courses are provided in the following departments:—(1) Mathematics and Mathematical Physics; (2) Physics and Physical Chemistry; and (3) Chemistry and Chemical Physics.

An undergraduate taking a special course in any of these departments shall be required to attend the Advanced Classes provided in the subjects of such department (see § XIV), to make progress satisfactory to the Professors who conduct such classes, and to pass at the end of the Fourth Year, an examination in the subjects of such department; and he shall in some cases be allowed to omit from the ordinary course he is pursuing, certain subjects specified below.

(2.) The Special Course in **Mathematics and Mathematical Physics** is open to undergraduates taking the ordinary courses A or H. Those taking course A may substitute Practical Physics for Mental Science in the Third Year. Those taking course H may omit one subject in the Fourth Year.

The subjects of examination are the same as in the corresponding course in the Faculty of Arts (see § VII, 11).

(3.) The Special Course in **Physics and Physical Chemistry** is open to undergraduates taking the ordinary course B, provided the Faculty consider their standing in the First and Second Years, especially in Mathematics, Physics and Chemistry, to have been sufficiently high. In the Third Year they must take Practical Physics and Advanced Mathematics (partial course), and may omit French or German. In the Fourth Year they must take Advanced Mathematics (partial course), and Advanced Experimental Physics, and may omit Mineralogy and French or German.

The subjects of examination shall be as follows:—

(1.) **GENERAL PHYSICS.**—An, e. g., in *Peddie's Manual of Physics* (Bell & Co.).

(2.) Either (a) **HEAT AND ELECTRICITY.**—Stewart's *Treatise on Heat* (Clarendon Press), and Joule's *Memoirs on the Determination of the Mechanical Equivalent of Heat*,—Joule's *Scientific Papers* (Taylor and Francis), Vol. I, pp. 123, 172, 298, 542, 632; S. P. Thompson's *Electricity and Magnetism* (Macmillan & Co.), with *Murdoch's Notes on Electricity and Magnetism* (Macmillan & Co.), and Sir W. Thomson (Lord Kelvin's) papers on the *Electrodynamic Qualities of Metals*,—Thomson's *Mathematical and Scientific Papers* (Cassell, Univ. Press), Vol. II, p. 183.

Or (b) **SOUND AND LIGHT.**—Everett's *Vibratory Motion and Sound* (Longmans, Green & Co.); Glazebrook's *Physical Optics* (Longmans, Green & Co.); and Roscoe's *Spectroscopic Analysis* (Macmillan & Co.).

(3.) **PRACTICAL PHYSICS.**—The determination of important physical constants, and the investigation of physical laws; the discussion of the accuracy of experimental results.

(4.) **PHYSICAL CHEMISTRY.**—Experimental methods and general results, as in *Oswald's Outlines of General Chemistry* (Macmillan & Co.).

(5.) **PRACTICAL CHEMISTRY.**—Preparation and purification of reagents; Qualitative analysis of salts; Quantitative analysis of inorganic solutions, including volumetric analysis.

Candidates will be assumed to have some knowledge of Analytical Geometry, and of the Differential and Integral Calculus.

Those who aim at High Honors (See § XXV), will be expected to prepare a thesis embodying the results of a short original investigation.

(6.) The special course in **Chemistry and Chemical Physics** is open to undergraduates taking the ordinary course B. In the Third Year they must take Botany and Practical Physics, and must devote at least ten hours per week during

the Session to advanced work in the Laboratory in Practical or Analytical Chemistry of inorganic compounds, and they may omit French or German. In the Fourth Year, at least ten hours per week must be devoted to Practical Chemistry, including elementary organic analysis, and proximate analysis of organic compounds, and French or German may be omitted.

The subjects of examination shall be as follows:—

(1.) **INORGANIC CHEMISTRY.**—General Principles and Methods of Inorganic Analysis; Systematic Course of testing for bases and acids, and separation of bases and acids from each other, where several are present, as in Fresenius's Qualitative Analysis; Spectroscopic Analysis.

Quantitative Analysis: General Principles and Methods in use, with examples selected from Fresenius's Quantitative Analysis, Wulker's Mineral Analysis, or similar works, according to the special laboratory work done by the candidate; Volumetric Analysis.

(2.) **ORGANIC CHEMISTRY.**—The Fatty Group. Fatty series of Hydrocarbons and their Substitution Compounds (Haloids, Ethers, Alcohols, Aldehydes, Compound Ethers, Amines, Amides, &c.), including Carbohydrates, and the processes of Fermentation, Acetification, &c., as in Wurtz's Organic Chemistry, from page 293 to p. 590, first American edition, or from page 418 to page 646, third American edition, with supplements from Roscoe and Scherlemer's Chemistry, parts 1 and 2 of Vol. III, omitting the historical portions, and other special portions to be pointed out.

The Aromatic Series. Aromatic Hydrocarbons, and their Derivatives. Orientation in the Aromatic Series. Constitution of Benzene, its substitution and additive products, as in Part 3 of Vol. III, of Roscoe & Scherlemer (excluding historical details). Selections from Parts 4 and 5, of Vol. III, B. & S., relating to the more commonly known compounds not fully treated in Wurtz. These selections will be made by the Professor in view of the special aim or ultimate object of the student in his Chemical studies.

The Natural Alkaloids, Alkalimoids, or general Animal or Physiological Chemistry may, if thought desirable, be made to replace some of the subjects included in the foregoing prescribed course.

Organic Analysis and Preparation of Organic Compounds; Methods of Organic Analysis in detection and separation of proximate Organic Compounds by chemical and by microscopical and other optical tests.

Elementary Quantitative Analysis of Non-nitrogenous and of Nitrogenous Organic Compounds.

(3.) **CHEMICAL PHYSICS.**—Experimental Methods and general results, as in Ostwald's Outlines of General Chemistry (Macmillan & Co.)—The practical applications of the more important physical experimental methods employed in chemical research, including the discussion of the degree of accuracy of experimental results.

(4.) Candidates who aim at High Honours (§ XXXV.), will be expected to prepare a thesis embodying the results of a short original investigation.

§ XXXII.—Attendance.—The regulations as to attendance are the same as in the Faculty of Arts. (See § IX.)

§ XXXIII.—Examinations.—The regulations as to Examinations are the same as in the Faculty of Arts. (See § X.)

§ XXXIV.—The Degree of B. Sc. with Distinction will be conferred on the same conditions as the corresponding degree in the Faculty of Arts, (§ XI.)

§ XXXV.—The Degree of B. Sc. with Honours in departments in which special courses are provided in this Faculty, will be conferred on the same conditions as the corresponding degree in the Faculty of Arts (§ XII.)

§ XXXVI.—Short Courses of Study for General Students.—(1.) For the benefit of students who may be unable to spend four full years at the University, but may be able to give full attendance for shorter periods, or to attend a small number of classes for a series of years, short courses of study have been arranged.

Students entering on these courses are not required to pass any preliminary examination; but they are recommended not to enter classes in which some knowledge of the subject is assumed, without first consulting the Professors as to their ability to enter with profit upon the work of the classes.

To students who attend the classes of those courses with regularity, show diligence in the class work, and succeed in passing the Examinations, certificates will be issued stating the nature of the course pursued, and the degree of success attained.

The details of the subjects studied in the classes mentioned below will be found under Courses of Instruction (§ XXV.)

(2) **Short Course for Teachers.**—This course is intended to provide a thorough systematic and practical training in education, together with a practical study of scientific subjects, such as will enable the student to present and illustrate such subjects adequately in the school.

It consists of the following courses (§ XXV):—Mental Science (Psychology Course); History and Theory of Education (including School Law); Practice of Teaching (including School Management); Practical Chemistry, Practical Physics, Mineralogy, Physiology, Botany and Drawing.

**Diploma of Literate in Education (L. E.)**—This Diploma will be awarded to students who have taken the above course, on the following conditions:—

(a) Before entering upon it they must furnish evidence of general education, equal at least to that implied in the possession of a Grade B Teacher's License of the Nova Scotian Education Office.

(b) They must pass satisfactory examinations in the subjects of the classes mentioned above, and receive the favorable

report of those who conduct practical classes on their practical work.

(c) In connection with the Class of Practice of Teaching, they must have spent, at least 400 hours in actual teaching, but a portion of this practical work may have been carried out in the summer vacation, provided it be under the supervision of Teachers, approved by the Faculty.

(d) The Course in Drawing must include at least 60 lessons, and must be in the department outlined in § XXV, VI.

(e) They must furnish certificates from teachers approved by the Faculty, of having attended a course of instruction of at least 30 lessons in Manual Training, and of having acquired proficiency both in this subject and in School Music (Tonic Sol-Fa notation).—Instruction in both these subjects may be obtained in the City of Halifax.

### (3.) Short Course introductory to Medical Study.

—This course includes the more difficult subjects of the Medical Matriculation Examination, together with a sufficient number of the subjects of the Medical Curriculum to constitute an *annus medicus*. It is as follows:

FIRST YEAR:—Latin; English; French; Mental Science (Logic and Psychology); Mathematics; Inorganic Chemistry.

SECOND YEAR:—Junior Physics; Medical Chemistry; Practical Chemistry; Botany; Anatomy.

### (4.) Short Courses for Engineering Students.—

The following courses are intended for students who are unable to give full attendance, but can give partial attendance for a number of years:

(a) CIVIL ENGINEERING.—Mathematics (1st and 2nd Year Classes); Drawing; Junior Physics; Senior Physics (Dynamics); Applied Mechanics (Theory of Structures and Strength of Materials); Surveying; Civil and Hydraulic Engineering.

(b) MECHANICAL ENGINEERING.—Mathematics (1st and 2nd Years Classes); Drawing; Junior Physics; Senior Physics; Applied Mechanics (Mechanics of Machinery).

(c) MINING ENGINEERING.—Mathematics (1st and 2nd Years Classes); Drawing; Junior Physics; Senior Physics; Applied Mechanics; Chemistry; Practical Chemistry; Mineralogy; Mining.

(d) ELECTRICAL ENGINEERING.—Mathematics (1st and 2nd Years Classes); Drawing; Junior Physics; Senior Physics; Practical Physics; Applied Mechanics (Mechanics of Machinery).

### § XXXVII.—Classes for Artisans.—

Classes are organized from time to time for artisans and other persons who are engaged in forms of work involving the application of scientific knowledge. These classes are usually held in the evening. Announcements with regard to them are made at the beginning

of the session. During the session of 1893-94, a class in Mathematics was organized.

### § XXXVIII.—Medals, Prizes and Matriculation Scholarships.—

The Sir William Young Gold Medal, the Governor General's Gold and Silver Medals (occasionally), and the Sir Wm. Young and Professors' Scholarships (awarded at matriculation) are open for competition to undergraduates of, or candidates for matriculation in, the Faculty of Science. See §§ V, XV.

### § XXXIX.—1851 Exhibition Science Scholarship.

—Her Majesty's Commissioners for the Exhibition of 1851 have informed this University that they hope to place at its disposal for the year 1896 the nomination to one of the scholarships, which are being offered by them, in certain universities of the United Kingdom and the Colonies, with the intention of enabling students of science who have indicated high promise of capacity for original research, to continue the prosecution of science with the view of aiding in its advance, or in its industrial applications.

The Scholarship is of the annual value of one hundred and fifty pounds sterling, is tenable for two years, subject to the fulfilment of certain conditions mentioned below, and is open to women as well as men.

The following is the statement of conditions, &c. of the scholarship offered in 1894:—

"The following are the conditions of nominations:

"(a) The nominee must be a British subject.

"(b) He (or she) must, at the date of the nomination, have been for a term of three years a bona fide Student of Science in a University or College, (or in Universities or Colleges), in which special attention is given to scientific study, a graduate who has continued to be a student at a College after graduation being regarded as a student.

"(c) He must have been a student of Dalhousie College either during the academic year, at the end of which the nomination is made, or during the previous year; but in the event of his having ceased to be a student of Dalhousie College at the end of the previous year, he must have been engaged during the year of nomination solely in scientific study.

"(d) He must have indicated high promise of capacity for advancing Science or its applications by original research. Evidence of capacity for original research in Science is strictly required, this being one of the main qualifications for a scholarship; and the nominee will be selected from the students qualified for nomination mainly on the ground of superiority in this respect, though the general proficiency attained in the study of Science will also be taken into account.

"(e) There is no absolute restriction as to age; but a nominee whose age exceeds 30 will only be accepted by the Commissioners under very special circumstances.



"The nomination which is to be made by this University to the Commissioners in London, will be referred by them to a committee of eminent scientific men, who will advise them upon it; and the nomination will take effect on its being confirmed by the Commissioners.

"The scholarship may be held at any University in the United Kingdom or abroad, or in some other institution to be approved by the Commissioners, the only restriction being that the institution selected shall be properly equipped for the prosecution of Science. But a scholar will be expected to spend at least one year of the term during which he holds the Scholarship, at an institution other than that by which he is nominated.

"The scholar, during his tenure of the Scholarship, must devote himself wholly to study and research, more especially in some branch of Science, such as Physics, Mechanics, or Chemistry, the extension of which is especially important to our national industries; and he is not allowed during such tenure to hold any position of emolument.

"The continuance of the Scholarship for the second year is dependent on the work done in the first year being satisfactory to the Scientific Committee appointed by the Commissioners.

"The Scholarship is payable half-yearly in advance through the Treasurer of this University.

"The candidate nominated is required by the Commissioners to sign the following declaration:—

"I, the undersigned, hereby declare that the particulars concerning me contained in the foregoing form are correct, and I undertake that, if a Scholarship is awarded to me, I will hold it subject to the conditions laid down by Her Majesty's Commissioners for the Exhibition of 1851 with reference thereto, and I will, during its continuance, wholly devote myself to the objects of the Scholarship, and I will not, during such continuance hold any position of emolument."

§ XL.—Residence, Church Attendance, and Discipline.—The regulations as to residence, church attendance, and discipline, in this Faculty, are the same as in the Faculty of Arts. (See §§ XVII—XIX.)

§ XLI.—The Degree of Bachelor of Engineering (B. E.) will be conferred on a Bachelor of Science who has taken the Degree in one or other of the departments of Engineering, at any date not less than one year after graduation, provided he satisfy the following conditions:

(1.) He must furnish certificates from an engineer or engineers, approved for this purpose by the Faculty, showing that he has been engaged in practical work in some one department of Engineering under their supervision for a period of at least two years, and that he has exhibited satisfactory diligence and progress. A part, or the whole, of this time may be spent in any approved Engineering School which possesses workshops or testing laboratories.

(2.) He must hand in to the Faculty designs for some constructive work, prescribed by the Faculty, in the department in which he has been engaged in practical work, the designs to

be accompanied by complete working drawings giving full details, bills of materials and estimates. The designs must be accompanied by a declaration to the effect that he has received no assistance in preparing them, and he will be required to explain and defend his designs before the examiners.

(3.) Candidates for this degree must send their designs, &c., to the Dean of the Faculty on or before the first of March, and must, at the same time, pay a fee of Twenty Dollars.

#### § XLII.—The Degree of Master of Science (M. Sc.).

—The degree of Master of Science will be conferred on a Bachelor of Science of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research in some department of pure or applied Science, or on his passing an examination in a course of scientific study, appointed or approved by the Faculty, of about the extent represented by the academic work of one year of the B. Sc. Course. In the latter case no fixed courses of study are laid down, the intention being to encourage graduates to prosecute advanced courses of study either at this or at any other University, or by private reading, and to adapt the courses to their individual tastes and capacities. But no course of study will be approved unless it is confined either to one department of Science, or to closely related departments.

Thesis must be sent to the Dean of the Faculty on or before the first of March. Examinations will be held ordinarily at the time of the Spring Examinations; but in special circumstances they may be held in the autumn. Candidates must give one month's notice of their intention to appear for examination.

On transmitting the thesis, or on giving notice of intention to appear for examination, candidates must pay a fee of Ten Dollars. In cases in which the degree is not granted, the fee will not be returned; but the candidate will be allowed to make a second application for the degree, either by thesis or by examination, without payment of fee. In cases in which an autumn examination is granted, an additional fee of Ten Dollars will be charged.

#### § XLIII.—Admission ad eundem gradum.—

Graduates in Science of Universities approved by the Senate, who have received their degrees in course, shall be admitted *ad eundem gradum* in this University, on producing satisfactory proof of character and academic standing.

§ XLIV.—Academic Costume.—Bachelors of Science and of Engineering and Masters of Science shall be entitled to

wear black stuff gowns and hoods. The distinctive part of the costume is the hood, which is to be as follows:

For B. Sc.—Black stuff, with a lining of white silk bordered with crimson silk.

For B. E.—Black stuff, with a lining of white silk bordered with purple silk.

For M. Sc.—Black stuff, with a lining of scarlet silk.

Successful candidates for these degrees must appear at Convocation in the proper academic costume to have the degrees conferred upon them. Degrees will be conferred in the absence of candidates only by special permission of the Senate.

§ XLV.—Fees.—The regulations as to fees payable by students shall be the same as in the Faculty of Arts (see § XXV.), except that in the subjects of Anatomy, Physiology and Histology, examination fees are payable (§ XXV, XII—XV).

The graduation fees are as follows:

Fee payable before the final Examinations for the B. Sc. Degree.....	\$ 5 00
Fee payable on application for the B. E. Degree.....	20 00
Fee payable on application for the M. Sc. Degree.....	10 00
Fee for an ad eundem Degree.....	10 00

## Faculty of Law.

THE PRESIDENT (*ex officio*.)

RICHARD C. WELDON, A. M., PH. D.

BENJAMIN RUSSELL, A. M., Q. C.

C. STONEY HARRINGTON, Q. C.

ALFRED SILVER, LL. B.

GEORGE RITCHIE, LL. B.

HECTOR McINNIS, LL. B.

Dean of the Faculty—PROFESSOR WELDON.

Secretary of the Faculty—PROFESSOR RUSSELL.

### § XLVI.—Course of Lectures.

The following Courses of Lectures to be given in the Session of 1894-5, will begin on the 5th of September, 1894, and end on the 15th of February, 1895.

#### CONSTITUTIONAL AND INTERNATIONAL LAW.

(George Munro Professorship.)

Professor..... R. C. WELDON, M. A., PH. D.

##### Constitutional Law.

Two lectures per week.

Subjects of lectures:

Law of Parliament. Select Cases in Constitutional Law. British North America Act.

Text-book: Cartwright's Cases.

##### Constitutional History.

Two lectures per week.

Subjects of lectures:

Fendallism in England. Origin and Growth of the two Houses of Parliament. Origin and Development of Trial by Jury. Origin and Development of the Courts of Law. The Royal Prerogative. History of the Law of Treason. The Liberty of the Person. The Liberty of the Press. History of Party Government. Origin and Development of the Cabinet System. History of the Reform Bills. The Written

Code of the Constitution. *Magna Charta*. Petition of Right. Bill of Rights. *Habeas Corpus*.

*Text book* : Tansell-Langmead's Constitutional History of England.

#### Conflict of Laws.

*One lecture per week.*

Subjects of lectures :

Leading rules as to (1) personal capacity, (2) rights of property, (3) rights of obligation, (4) rights of succession, (5) family rights, (6) forms of legal acts. The use of courts by strangers. The effects of foreign judgments. Select cases upon the Conflict of Laws.

*Text book* : Nisica's Private International Law.

#### International Law.

*One lecture per week.*

Subjects of lectures :

History of North Atlantic Fisheries. Convention of London, 1818. Territorial Waters. Treaty of Washington, A. D. 1871. Consular Commercial Treaties. Naturalization. Extradition. Blockade. Contraband.

*Text book* : Hall's International Law.

#### CRIMES.

*Lecturer* ..... Professor Wharton.

*Two lectures per week.*

Subjects of lectures :

Sources of Criminal Law. Offences against Public Order, Internal and external. Offences affecting the administration of Law and Justice. Offences against Religion, Morals and Public Convenience. Offences against the Person, and Reputation. Offences against rights of property and rights arising out of Contract and offences connected with trade. Procedure. Proceedings after Conviction. Actions against persons administering the Criminal Law.

*Text book* : The Canadian Criminal Code, 1908.

#### REAL PROPERTY.

*Lecturer* ..... Mr. Barrett, LL. B.

*One lecture per week.*

Subjects of lectures :

History and Sources of the Law; the Law of Uses; Corporal Hereditaments, including Estates in Land as to Quantity; Solein; Joint Estates in Land; Limitation of Present and Future Estates; the beneficial uses and profits which the holder of different estates enjoy in their own land; incorporeal hereditaments including the uses and profits any man enjoys in the lands of another; Rents.

*Text books* : Leake's Digest of Property in Land, Parts 1 and 2, and Gray's Leading Cases.

#### REMARKS ON CONTRACTS, ETC.

*Professor* ..... R. BURNES, A. M.

*Two lectures per week.*

Subjects of lectures :

Definition of terms; agreement, consideration, proposal, acceptance, promise, &c. Persons who may contract, principal and agent. Disabilities arising from infancy, coverture, insanity, intoxication, &c. Express and implied contracts. Verbal and written contracts. Specialties. Statutory requirements as to validity and authentication of contracts; Statute of Frauds. Causes vitiating agreements; mistake, fraud, duress, &c. Discharge of contracts, rescission, performance, payment, release, merger, &c. Leading cases.

*Text books* : Finch's Cases, and Anson on Contracts.

#### EQUITY JURISPRUDENCE.

*Lecturer* ..... Professor Ross.

*One lecture per week extending over two years.*

Subjects of lectures :

Trusts, Mortgages, Fraud, Mistake, Specific Performance of Contracts, Administration of Assets, Election, Account, Discovery, Injunctions.

*Text book* : Smith, H. A.

#### MARINE INSURANCE.

*Lecturer* ..... Professor Wharton.

*One lecture per week.*

[1894-5.]

Subjects of lectures :

Parties to and Agents for Marine Insurance; The Policy; Duration; Misrepresentation; Consentment; Warranties; General and Particular Average; Total Loss; Abandonment.

*Text book* : Arnould.

#### TORTS.

*Lecturer* ..... Mr. ALAN SUTER, LL. B.

*One lecture per week.*

Subjects of lectures :

Definitions. Torts considered with reference to Crimes and Contract. Deforc. Slander and Libel. Malicious Prosecution. Conspiracy. Assault and Battery. False Imprisonment. Enticement and Seduction. Tresspass to Property. Conversion. Violation of Water Rights and Rights of Support. Nuisance. Negligence.

*Text books* : Wigmore, or Pollock.

## PARTNERSHIP AND COMPANIES.

Lecturer ..... Mr. HARRISON, Q. C.

One lecture per week.

[1893-94.]

## Subjects of lectures :

Constitution. Liability of partners *inter se* and to third persons. Change of firm. Retirement of partners. Dissolution. Mining ventures. Joint-stock Companies. Canada Joint-stock Companies Act.

Text book: *Lindley on Partnership.*

## EVIDENCE.

Lecturer ..... Mr. HARRISON, Q. C.

One lecture per week.

[1894-95.]

## Subjects of lectures :

Nature of Proof. Production and Effect of Evidence. Relevancy. Instruments of Evidence.

Text book: *Greenleaf on Evidence; Judicature Act and Rules.*

## SALES OF PERSONAL PROPERTY.

Lecturer ..... Professor BROWN.

Two lectures per week.

[1894-95.]

## Subjects of lectures :

Capacity to buy and sell. Executed and executory contracts of sale. Statute of Frauds. *Leed Testator's Act*. Rules as to passing of property. Reservation of *ius disponendi*. Stoppage in transitu. Condition. Warranty, express and implied. Remedies of seller and buyer.

Text book: *Benjamin on Sales.*

## NEGOTIABLE INSTRUMENTS.

Lecturer ..... Professor BROWN.

[1895-96.]

One lecture per week.

## Subjects of lectures :

Formal Requisites. Consideration. Indorsement and Transfer. Real and personal defences. Over-the paper. Notice of Dishonour. Protest. Bill or note.

Text book: *McLaren on Bills.*

## SHIPPING.

Lecturer ..... Professor WALKER.

## Subjects of lectures :

Registration of Shipping. Transfer. Mortgage. Bottomry and Respondentia. Charter Party. Bills of Lading. Collision. Pilotage. Salvage. Admiralty Law.

Text book: *McLachlan on Shipping.*

## CONVEYANCING.

Lecturer ..... Mr. GEORGE BRUCE, LL. B.

## Subjects of lectures :

Real Estate. Contingent Remainders. Rule in *Shelley's Case*. Statute of Uses. Springing and Shifting Uses. Executory Devices. Statute 13 of Eliz., c. 5, and 27 of Eliz., c. 4. Statute of Limitations. Bargain and Sale. Lease and Release. Mortgage. Wills. Probate of Wills.

Text books: The text books needed will be announced at the commencement of the lectures.

## PRACTICE AND PROCEDURE.

Lecturer ..... Mr. HENRY MERRILL, LL. B.

## Subjects of lectures :

Judicature Act and Rules. General Principles of Pleading, and Rules of Practice.

§ XLVII.—*The Academic Year.*—The academic year consists of one Session. The Session of 1894-95 will begin on the 5th of September, 1894, and end on the 23rd of April, 1895.

§ XLVIII.—*Admission of Students.*—(1.) Students may enter the University by (a) furnishing satisfactory reference of certificates of good moral character, (b) entering their names in the Register, and (c) paying the prescribed fees.

(2.) Registered students may, on payment of the proper fees, enter any of the classes of the University.

(3.) Students who wish to obtain University Degrees must become undergraduates. They may become undergraduates by (a) passing the Matriculation Examination or a recognized equivalent, and (b) matriculating, *i. e.*, entering their names on the Matriculation Register as Undergraduates.

(4.) Students who are not undergraduates are known as General Students.

§ XLIX.—Degree of Bachelor of Laws.—All Candidates for the Degree of LL. B. are required to pass the Matriculation Examination, or a recognized equivalent, to attend not less than five-sixths of the lectures given in each subject of the course of study and to pass the Sessional Examinations in the subjects of the three years course of study.

(2) Undergraduates of other Law Schools may, on producing satisfactory certificates of standing, be admitted to similar standing in this Law School if, on examination, they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the course on which they enter in the University, they may be required to take extra classes.

(3) Graduates in Arts who have taken the classes of Constitutional History, Constitutional Law and Contracts, as parts of their Arts Course, shall be allowed to graduate in two years from the date of their entering upon the Law Course, provided they take in those years all the other classes specified.

§ L.—Matriculation Examination.—(1.) Candidates for entrance into the First Year of the Course shall be examined in the following subjects, except in cases in which certain Examinations mentioned below shall have been already passed:

LATIN.—First three books of Cæsar, or First book of Virgil, or first book of Galus or Justinian.

GREEK.—First two books of Xenophon's *Anabasis*.

Candidates may substitute French or German for Greek.

The papers in the above subjects will contain questions on Grammar.

MATHEMATICS.—Arithmetic, as in *Hamilton Smith's*; Algebra, as in *Trobridge's* Algebra for beginners; Geometry, *Euclid*, Books I, II, III and IV, with easy exercises.

ENGLISH.—Grammar, Analysis and Composition, as in Nova Scotia prescribed text books for the public schools. Critical study of Shakespeare's plays. For September, 1894, and February, 1895. The *Merchant of Venice* (Holt's edition recommended.)

HISTORY AND GEOGRAPHY.—British and Canadian History, as in Nova Scotia prescribed text books for the Public Schools; General Geography, as in the prescribed text books.

(2) Persons desirous of appearing as candidates at this examination must give notice addressed to the Dean of the Faculty, Dalhousie Law School, Halifax, on or before August 27th, 1894; and they shall be required to pay a fee of \$5.00 on the morning of the day of Examination.—The Examination will be held next Session on Tuesday, September 5th, at 10 o'clock, A. M., in Examination Hall.

(3) Graduates and Undergraduates in Arts of any recognized College or University, and articled clerks or law students who have passed the preliminary law examinations in any of the Provinces of the Dominion of Canada, or in Newfoundland, shall be admitted to the standing of Undergraduates of the First Year in the Faculty of Law, without passing any examination.

### § LI.—Course of Study for the Degree of LL. B.

#### First Year.

- |                   |                            |
|-------------------|----------------------------|
| 1. Real Property. | 4. Torts.                  |
| 2. Crimes.        | 5. Constitutional History. |
| 3. Contracts.     |                            |

#### Second Year.

- |                               |                        |
|-------------------------------|------------------------|
| 1. Equity.                    | 4. Constitutional Law. |
| 2. Partnership and Companies. | 5. Conflict of Laws.   |
| 3. Negotiable Instruments.    | 6. Shipping.           |

#### Third Year.

- |                       |                                |
|-----------------------|--------------------------------|
| 1. International Law. | 4. Equity.                     |
| 2. Insurance.         | 5. Sales of Personal Property. |
| 3. Evidence.          | 6. Procedure.                  |

The Faculty urgently recommend that students devote their whole time during Sessions to the work of the School, experience having proved that students who undertake office work in addition to the work of their classes, receive comparatively little advantage from the lectures. The Course having been very considerably enlarged, the Faculty apprehend that students who are doing regular office work during Session, will find it quite impossible to pass with credit the required examinations.

§ LII.—Sessional Examinations.—(1.) The Sessional Examinations will begin next Session on February 18th, 1895.

(2) Students are forbidden to bring any book or manuscript into the Examination Hall, except by direction of the Examiner, or to give or receive assistance, or to hold any communication with one another at the Examinations. If a student violate this rule, he shall be excluded from the Sessional Examinations of the Session, and such other penalty shall be imposed as the Faculty may determine.

(3) If an Undergraduate fail to pass in less than three subjects of the Sessional Examinations, he shall be allowed a supplementary Examination in such subject or subjects at the beginning of any subsequent Session.

(4.) If an Undergraduate fail to pass in more than two subjects at any Sessional Examination, he shall lose his Session.

(5.) Undergraduates who wish to present themselves at a Supplementary Examination, must give notice addressed to the Dean of the Faculty Dalhousie Law School, Halifax, on or before August 27th, 1894.

(6.) The Supplementary Examination for the present year will begin September 5th, at 10 o'clock, a. m. Fee, \$5, payable on the morning of the Examination.

§ LIII.—Moot Courts.—Moot Courts will be held every week.

Hereafter the case to be argued will be stated by the Professor or the Lecturer who is to preside, and shall be upon the subject of lectures then in progress. Every candidate for a degree shall be required to take part in arguments at the Moot Court. The senior counsel on either side shall be required to file briefs with the Dean before noon of the day preceding that on which the case is argued. A record will be kept of the values assigned to the arguments made, and these values will be considered by the Faculty in recommending a candidate for his degree.

In addition to the Moot Courts—formal instruction in the practice of the law will be given by the different lecturers.

It is believed that these practical exercises will be found helpful to students who are required to acquaint themselves with the Judicature Act.

§ LIV.—Mock Parliament.—The students have organized a Mock Parliament for the discussion of legal and constitutional questions.

The Faculty would strongly recommend that the students of the First Year should organize voluntary Moot Courts to be presided over by students of the Third Year.

§ LV.—Academic Costume.—Bachelors of Laws are entitled to wear gowns and hoods. The gowns are similar to those worn by Barristers-at-Law. The hoods are of black silk stuff, with a lining of white silk bordered with gold coloured silk.

§ LVI.—The Library.—The Library is in charge of a Librarian who will endeavour to make its resources available to the students and give them every possible assistance in the prosecution of their studies. Besides a good set of English and Canadian Reports, the Library has a number of sets of the leading American Reports, and will be found to contain almost

all the books an undergraduate will have reason to consult. The principal English, American and Canadian legal periodicals are regularly taken.

The following books have been presented to the Library during the year:

By DR. WELDON, M. P.:

Commons Hazard, A. D. 1803 ..... 2 Vols.  
Senate Hazard, " ..... 1 Vol.  
Statutes of Canada " ..... 1 Vol.

By M. J. GRIFFIN, Esq., Ottawa:

Houston's Constitutional Documents.

By THE HON. ATTORNEY-GENERAL OF BRITISH COLUMBIA:

Statutes of British Columbia.

By DANIEL MCKINNON, Esq., L. B.:

Statutes of P. E. Island.

By DISTRIBUTION OFFICE OF THE PARLIAMENT OF CANADA:

The Sessional Papers of Canada.

§ LVII.—Fees.—The following are the fees payable by students of the Faculty of Law. They are in all cases payable in advance.

Students are requested to pay their Class Fees and sign the University Register on Tuesday, 5th September, 1894, at 10 a. m., in the office of the Law School.

Registration Fee, payable only by General Students	.....	\$ 2 00
Fee for each class attended, per Session, payable by General Students	.....	10 00
Fee for the classes of the First Year, payable by undergraduates	40 00	
Fee for the classes of the Second Year, payable by undergraduates	40 00	
Fee for the classes of the Third Year, payable by undergraduates	40 00	
Fee for LL. B. diploma, which is payable before the final examination, and will be returned in case of failure	.....	10 00
Fee for the Matriculation Examination	.....	5 00
Fee for the Supplementary Examination	.....	5 00

Students of any year are permitted to attend lectures in the subjects of an earlier year without extra charge.

The fees payable are those fixed by the Calendar of the year in which the students matriculated.

## Faculty of Medicine.

THE PRESIDENT, (*ex officio*)  
 GEORGE LAWSON, PH. D., LL. D.,  
 JOHN SOMERS, M. D.,  
 DONALD A. CAMPBELL, M. D., C. M.,  
 A. W. H. LINDSAY, M. D., C. M.,  
 JOHN STEWART, M. B., C. M.,  
 A. C. PAGE, M. D.,  
 DANIEL McNEIL PARKER, M. D.,  
 EDWARD FARNHILL, M. D.,  
 ANDREW J. COWIE, M. D.,  
 JOHN F. BLACK, M. D.,  
 ALEXANDER P. REED, M. D.,  
 MATTHEW A. CERRY, M. D.,  
 MURRAY McLEARY, M. D.,  
 WM. S. MEIL, M. D.,  
 WM. TONES, F. R. C. S. Irc.,  
 HUGH McD. HENRY, Q. C.,  
 LEUIS M. SILVER, M. B., C. M.,  
 FRED. W. GOODWIN, M. D.,  
 Deans of the Faculty: PROF. LAWSON.  
 Secretary of the Faculty: DR. LINDSAY.

§ LVIII.—Courses of Instruction.—1. Instruction is provided by the University in the following subjects of the Medical Curriculum:

### I.—CHEMISTRY.

Professor.....GEORGE LAWSON, PH. D., LL. D.

With experimental demonstrations.

Junior Chemistry: Three days each week.

#### FOR FIRST YEAR STUDENTS.

General Principles. Chemical Affinity. Laws of Combination by weight. Definite Proportions. Equivalents. Law of Multiple Proportions. Combination, by volume, Gay-Lussac's Laws. Law of Specific Heats. Atomic Theory. Nomenclature; Notation; Formulae, Equations. The non-metallic Elements considered in detail; their

modes of occurrence in nature; preparation in the free state; their compounds, natural and artificial; natural phenomena and artificial processes in which they take part; useful manufactures to which they are related.

The Metals considered in regard to their physical and chemical characters, and modes of occurrence in nature. Classification of the Metals. Constitution of Salts; Bases, Acids, Radicals. Discussion of the more important Metallic Elements in detail, their Salts and other compounds; Metallurgical processes; Chemical Manufactures.

*Text Book*:—Green's Edition of Wurtz's Elements of Modern Chemistry—the whole of the inorganic part.—(Lippincott, Philadelphia)

Senior Chemistry: Three days each week.

#### FOR SECOND YEAR STUDENTS.

Mode of formation of Organic Compounds in the Plant; by assimilation; by metabolism; their after-transformation by natural and artificial processes. The method of Organic Chemistry. The Atomicity of Carbon. Saturation. Substitution. Principles of Classification. Elementary Analysis. Methane and its Homologues, and the Substitution Compounds. The Monatomic Alcohols, and related Compounds and Derivatives of the Fatty Series; Aldehydes, Ethers, &c. The Fatty Acids. Compound Ethers. Amides, Acids, Phosphenes, &c. Polyatomic Alcohols, Ethers and Acids. The natural Vegetable Acids. Cyanogen and its Compounds. Glucosides. Carbohydrates. Diacase. Fermentation.

Aromatic Compounds. Benzene (Benzol) considered theoretically as the nucleus of the aromatic compounds. Oil of Turpentine and its Isomerides. Volatile Oils. Camphor. Substitution and Additive Compounds of Benzene. Phenol (carbolic acid) and its derivatives, Aniline, &c. Benzoic and related Acids, Indigo, &c. Natural Alkaloids. Albumen, Urea.

*Text Books*:—Green's Edition of Wurtz's Elements of Chemistry—the Organic part. Reference works: Roscoe & Schodde's Wurtz's Dictionary, &c., which can be used in the Balance Room. Other works are placed, for convenience of students on a reference shelf in the College Library.

### PRACTICAL CHEMISTRY.

Monday, Wednesday and Friday, 11—1 o'clock.

Systematic Courses of testing for Metallic Bases, and Inorganic and the more common Organic Acids. Where students can give the necessary time, this course will be followed by special processes for detection and quantitative estimation of Metallic Poisons; examination of urine for Glucose, Albumen; nature of Urinary Calculi and other deposits. Sanitary Analysis:—Atmospheric Air; Water. Mineral Waters.

The Chemical Laboratory is open daily (except Saturdays, Sundays, and holidays) from 9 a. m. to 1 p. m. Students taking their first Laboratory course are required to attend at one hour before the Professor is not engaged in lecturing. Students experienced in Laboratory work who cannot attend at such hours may be allowed by special permission, to work at other times when the Laboratory is open, but such permission may be cancelled at any time.

*Laboratory Books for First Course*.—One of the following: Marsh's Practical Chemistry; Fresenius's Qualitative Analysis.

Laboratory students are allowed the use of the ordinary Laboratory apparatus and furnishings, and of inexpensive re-agents, but are required to provide themselves with evaporating basins, test-glasses, platinum, gold and silver salts, and other expensive materials which they may require, and to replace apparatus which they may destroy. Those who wish to work in special departments or to engage in original research requiring apparatus or re-agents not in common use in the Laboratory will have to furnish themselves with the necessary appliances at their own expense.

The Chemical Laboratory is very large and airy, and is so arranged that every student may have a separate set of re-agents, and as much desk and table room as his work requires. Usually it is found convenient for two students taking their first systematic course to work together at the same desk (not necessarily at the same hour), which lessens the time necessary for preparing re-agents.

The working Laboratory is fitted up with locked desks, drawers and shelving for sixty-four students, with a separate Balance and Reference Library Room for their use.

## II. — BOTANY.

GEORGE LAWSON, Ph. D., LL. D.

Lectures on two days of each week, with an additional hour weekly after Christmas vacation for demonstrations on Medical and Poisonous Plants.

**The Vegetable Cell:** its structure and contents, with microscopic demonstrations. Typical and Transformed Cells; Tissues. Parenchyma, Prosenchyma. Minute structure and Development of the Root, Stem and Leaf. Structure and Development of the Flower, Fruit and Seed. **Vegetable Protozoa:** its structure, chemical character and movements; effects upon it of Light, Electricity, Irritation, Gravitation, Moisture, Gases. **Plant Growth:** Relations of the plant to the soil and atmosphere. Diffusion, Osmosis, Absorption, Transpiration, Assimilation. Production of organic matter in the plant; Transmutation or Metastasis. Respiration. Vegetable Growth. Movements of Chlorophyll, of organs (Circumnutations). Nyctitropism. **Reproduction:** Fertilization. The Seed. Germination,—dependent upon moisture, free oxygen, temperature. Effects upon plants of extremes of temperature.

**Classification of Plants:** The Natural System of Classification. The distinctive structural characters and geographical distribution of the more important natural orders will be given, with special attention to those orders containing poisonous plants and plants used in medicine. This part of the course will be fully illustrated by specimens, drawings and preparations.

**Text Books:** Huxley's *Physiological Botany* (Being Vol. II. of Gray's *Botanical Text Books*.)

**Field Books for Summer Work:** Gray's *Manual of Botany of the Northern States*; Gray's *How Plants Grow*, with Lawson's *Fern Flora*. Huxley's *Catalogue of Canadian Plants*.

2. Students wishing to attend the above courses may do so either as General Medical Students without preliminary examination, or as regular Undergraduates in Medicine. In either case they must enter their names in the University Register at the beginning of the Session. By reference to

§§ VII and XXX Undergraduates in Arts or Science will see that they at the same time may be registered with the Medical Faculty, and so secure the benefit of certain classes of the Arts and Science Courses, as regular Undergraduates in Medicine.

3. In other subjects the necessary classes may be attended at the Halifax Medical College or any other recognized School of Medicine.

4. Attendance on classes by those registered as General Medical Students will not qualify for Degree Examinations in this Faculty.

**§ LIX.—The Academic Year.**—The Academic Year consists of one session. The Session of 1894-95 will begin on Wednesday, September 26th, 1894, and end on Tuesday, April 23rd, 1895.

In order to qualify for Degree Examinations, the Medical Academic year must include attendance on at least two of the following six month courses: Anatomy, Chemistry, Physiology, Materia Medica, Therapeutics, Surgery, Obstetrics, Gynecology and Diseases of Children, Medicine; or one such course and two of the following: Botany, Practical Chemistry, Histology, Medical Jurisprudence, Pathology, Clinical Medicine, Clinical Surgery. Certificates indicating less than 90 p. c. of attendance upon any class will not be accepted without valid reason for absence being shown.

**§ LX.—Degrees.**—Two Medical Degrees are conferred by this University, viz., Doctor of Medicine, (M. D.) and Master of Surgery, (C. M.); but neither degree is conferred on any person who does not at the same time obtain the other.

**§ LXI.—Matriculation Examination.**—1. Candidates for medical degrees must give evidence of having obtained a satisfactory general education, by passing before entering upon the course of study qualifying for the degrees, either the Matriculation Examination of this Faculty or some other examination recognized by the Senate as sufficient.

2. The following are the subjects of the Matriculation Examination:

- (1) EXERCISE, including (a) writing a passage of English from dictation.
- (b) English Composition, with the correction of sentences of bad English.
- (c) Questions in English Grammar with analysis of sentences and the derivation and definition of some common English words, special regard being had to discrimination of Synonyms.



(d) Questions in Geography and History, especially in the History of the British Islands and India, and of English Literature.

(2.) LATIN, including Grammar and Translation from specified authors.\* An easy passage will be set from a Latin prose author not prescribed, and retranslation into Latin of a single passage of English (translated from a Latin author) the more difficult Latin words being given, will be required.

(3.) ARITHMETIC, the common rules including Vulgar and Decimal Fractions, Simple and Compound Interest, Discount, Stocks, etc.

(4.) ELEMENTS OF MATHEMATICS, comprising (a) Geometry, Euclid, Books I, II, and III; (b) Algebra, including Simple Equations.

(5.) ELEMENTS OF DYNAMICS (MECHANICS), comprising Elementary Kinematics, Statics, Kinetics and Hydrostatics, as treated in Eshakie's Elements of Dynamics\* (Thin, Edinburgh.)

(6 and 7.) ANY TWO of the following subjects:

(a) Greek, including Grammar, Translation from specified authors\* and Translation of an easy English sentence into Greek prose.

(b) French, including Grammar, Translation from specified authors\*, and Translation of an easy English sentence into French.

(c) German, including Grammar, Translation from specified authors\*, and Translation of an easy English sentence into German.

(d) Natural Philosophy, as in Balfour Stewart's Elementary Physics† (Macmillan & Co.)

(e) Logic, as in Jevon's Elementary Lessons in Logic† (Macmillan & Co.)

This Examination will begin on Wednesday, September 26th, 1894, in the College Hall, and will be conducted by instructors of the Arts Faculty.—Persons who wish to appear as candidates are required to give notice to the Secretary of the Faculty at least fourteen days before the date of Examination (specifying in such notice the elective subjects in which they wish to be examined), to enter their names in the Register of Candidates, and to pay a fee of Ten Dollars.

4. This examination satisfies the requirements of the General Medical Council of Great Britain as to the preliminary examination which must be passed by persons wishing to register as medical students; and also satisfies the requirements of the University of Edinburgh in the same respect. Certificates will be issued to candidates showing the subjects in which they passed and the extent to which their knowledge of those subjects was tested.

\* Latin for 1894. Caesar, Gallic War, Bks. V and VI; or Virgil, *Æneid*, Bk. III. Greek for 1894. Xenophon, *Anabasis*, Bk. I. or II. or III.

Latin for 1895. Caesar, Gallic War, Bks. V and VI, or Virgil, *Æneid*, Bk. I. Greek for 1895. Xenophon, Bk. II. or III. or IV.

† See Greenau. Adler's German Reader, Dritter Abschchnitt, or Dauthheim's German Reader, Part I.

‡ These books are mentioned to show the extent of knowledge expected. Other books may of course be used by candidates.

5. A certificate of the possession of a University Degree in Arts or Science, or of the Teacher's Grade "A" License of Nova Scotia, or of having passed the Matriculation Examination of the Provincial Medical Board of Nova Scotia, or the Preliminary Examination of the Nova Scotia Barristers Society shall be considered by this University sufficient evidence of satisfactory general education.

6. The Matriculation and Sessional Examinations of any Chartered University or College. The Junior and the Senior leaving Examinations of the High Schools, (N. S.) with 50% in each subject; the First Class Teachers' License of either Nova Scotia, New Brunswick or Prince Edward Island; and also the preliminary Examination of any Medical Licensing Board authorized by law in Her Majesty's dominions will be recognized *pro tanto*.

7. Candidates who may have passed in all subjects but one, either at the University or the Nova Scotia Medical Board Matriculation Examinations, may enter as undergraduates, and will be allowed after six months to pass a Supplementary Examination in the subject in which they previously failed.

§ LXII.—Degree Examinations.—Candidates for the Degrees of M. D. and C. M. shall be required to pass two examinations—the Primary and Final M. D., C. M. examinations, and to have satisfied at the dates of the examinations certain conditions as to attendance on classes, etc.

§ LXIII.—Primary M. D., C. M. Examination.—

1. Candidates for this examination shall be required to produce certificates to the following effect:—

(1.) Of having passed the Matriculation Examination, or other examination recognized as sufficient, at least two academic years previously, and of having completed their sixteenth year before the passing of said examination.

(2.) Of having, after passing the Matriculation or other equivalent examination, attended either in this University, in the Halifax Medical College, or in some other School of Medicine approved by the Senate, two courses of at least 6 months lectures each, in each of the following subjects, viz.:—Anatomy, Chemistry; and two courses of instruction of the same duration in Practical Anatomy, in the course of which they shall have dissected the whole body, (i. e., the head and neck and upper and lower extremities) at least twice.

(3.) Of having, after passing the Matriculation Examination, attended either in this University, in the Halifax Medical College, or in some other University or College, approved by the Senate, one course of instruction of six months in each of the following subjects, viz.:—Physiology, Histology, Botany, Practical Chemistry.

(4.) Either of having, after passing the Matriculation Examination, attended at the Halifax Medical College or at some other College approved by the Senate, one course of instruction of thirty lessons in Practical Dispensing, or of having after passing the Matriculation Examination, had three months practice in the dispensing of drugs with a recognized apothecary or dispensing medical practitioner.

2. Candidates will be required to pass written and oral examinations in Chemistry, Botany, Anatomy, Physiology including Embryology, Histology, and shall also be required to pass a written and practical examination in Practical Chemistry.

3. The Primary M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to transmit the certificates specified above to the Secretary of the Faculty at least fourteen days before the date of the Examination, to enter their names in the Register of Undergraduates of the University before the date of the examination and to pay before the date of the examination one-half of the amount of the graduation fee.

4. Candidates shall appear for examination in Botany, Histology, Junior Chemistry and Junior Anatomy, one academic year after passing the Matriculation Examination, on presentation of the certificates specified above, so far as they apply to these subjects.

5. If so disposed, candidates may, at the end of their second year elect to appear for examination in any two (but not less than two) or more of the remaining subjects of the Primary Examination, provided always that Chemistry shall be one of such elected subjects.

NOTE.—In the application of this sub-section, Practical Chemistry is to be taken as well as Chemistry.

6. Candidates who appear for examination in Botany, etc. at the end of their first year, will be required to pay one-sixth of the amount of the graduation fee and the remainder of the half fee at their next examination in other Primary subjects. Should the candidate fail to pass in any subject or subjects, the fee will not be returned to him, but he will be admitted to one subsequent Examination in such subject or subjects on payment of one-half the original fee.

§ LXIV.—Final M. D., C. M. Examination.—1. Candidates for this examination shall be required to furnish certificates to the following effect, viz:

(1.) That they have completed their twenty-first year, or that they will have done so on or before the day of graduation.

This certificate shall be signed by themselves, and shall be after the following form:—

HALIFAX, ———, 18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master in Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise), that I shall have attained the age of twenty-one years before the next graduation day, and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary. (Signed), A. R.

(2.) Of having passed the Primary M. D., C. M. Examination at this University, or of having subject to the regulations of § LXIII passed the same examination at the Halifax Medical College.

(3.) Of, after passing the Matriculation Examination, either (a) having attended during four academic years, (as in § LXI.) at least two courses of lectures per year in subjects of the Primary and Final M. D., C. M. Examinations, either in this University or at the Halifax Medical College, or at some other recognized Medical School; or (b) having spent one calendar year in the study of Medicine in the office or offices of one or more registered medical practitioners, and having attended during three academic years courses of lectures as above.

NOTE.—The following shall be the form of certificate required of students who may wish to constitute one "annus medicus" by studying with a Physician:—

I HEREBY CERTIFY that Mr. ———, of ———, studied medicine under my direction for a period of ——— months, viz. from ——— to ———, M. D., Preceptor.

"Preceptor to state his qualification, whether M. D. or otherwise."

The time included in the above certificate must in all cases be subsequent to the passing of a recognized Preliminary or Matriculation Examination.

Persons having begun the study of Medicine after January 1st, 1892, shall not be allowed to constitute an *annus medicus* by studying in a physician's office. In all such cases at least four academic years will be required by this Faculty.

(4.) Of having, after passing the Matriculation Examination attended at the Halifax Medical College, or at some other School of Medicine approved by the Senate, two courses of six months each, in each of the following subjects, viz:—Principles and Practice of Surgery, Obstetrics and Diseases of Women and Children, Principles and Practice of Medicine, Materia Medica and Therapeutics; two courses of lectures of seventy-five lectures each, in each of the following subjects, viz:—Clinical Medicine,

Clinical Surgery; one course of seventy-five lectures in Medical Jurisprudence, including Hygiene and Insanity, one course of at least seventy-five lectures and demonstrations in Pathology and Bacteriology, and one course of at least twenty-five lectures in Ophthalmology, Otology and Laryngology.

(5.) Of having, after passing the Matriculation Examination, attended during one calendar year the practice of the Victoria General Hospital, or that of some other Hospital approved by the Senate, and having attended during at least six months the practice of a Dispensary or of the out-patient department of a general hospital.

(6.) Of having, after passing the Matriculation Examination, served at least six months as a dresser in the Surgical wards and six months as Clinical Clerk in the Medical wards of a recognized Hospital, or otherwise giving satisfactory evidence of practical work in Surgery and Medicine.

(7.) Of having, after passing the Matriculation Examination, attended for at least six months the practice of a lying-in hospital, approved by the Senate, or of having attended at least six cases of midwifery, under a recognized practitioner.

(8.) Of having, after passing the Matriculation Examination, obtained proficiency in the practice of Vaccination.

2. Candidates will be required to pass written and oral examinations in the following subjects:—*Materia Medica* and *Therapeutics*, *Principles and Practice of Medicine*,\* *Obstetrics*, and *Diseases of Women and Children*, *Principles and Practice of Surgery*,† and *Medical Jurisprudence*, (including *Hygiene* and *Insanity*). In *Medicine* and *Surgery* there shall also be practical clinical examinations conducted at the bedside, cases being submitted for diagnosis and treatment.

3. The final M. D., C. M., Examination will be held in the second and third weeks in April. Candidates are required to transmit the certificates specified above to the Secretary of the Faculty at least fourteen days before the date of the Examination, to enter their names in the register of undergraduates before the date of the examination, and to pay before the date of the examination, one-half of the amount of the graduation fee.

4. Candidates shall appear for examination in *Materia Medica* and *Therapeutics*, *Medical Jurisprudence*, (including *Hygiene* and *Insanity*) three academic years after passing the Matriculation Examination, on presentation of the certificates specified above, so far as they apply to these subjects.

\* The Medicine Examination will include questions in Pathology and Bacteriology.  
† The Surgery Examination will include questions in Ophthalmology, Otology, etc.

5. Candidates who appear for examination in *Medical Jurisprudence*, etc., at the end of their third year will be required to pay one-sixth of the amount of their graduation fee, and the remainder of the half fee at their final examination. Should the candidate fail to pass in any subject or subjects, the fee will not be returned to him, but he will be admitted to one subsequent examination in such subject or subjects, on payment of one-half the original fee.

§ LXV.—*Academic Costume, etc.*—1. Doctors of Medicine of this University shall be entitled to wear black stiff gowns and hoods. The hoods shall have a lining of scarlet silk bordered with white silk.

2. Successful candidates for this degree shall be required to appear at Convocation in academic costume to have the degree conferred upon them. Degrees shall not be conferred in the absence of the candidate, except by special permission of the Senate.

3. Before receiving his degree, the candidate will be required to sign the following oath or affirmation:—

SPONSIO ACADEMICA.

In facultate Medicinæ Universitatis Dalhousianæ.

Ego, Doctoratus in Arte Medicæ, titulo jam demandat, sancto coram Deo cedentem scilicet, spondeo:—me in omni grati animi officio ergo Universitatem Dalhousianam ad extremum viri habitum, perseverantem; tunc poro actum medicum caute, caste, et probe exercitaturum; et quoad potero, omnis ad negotiorum corporum salutem conscientia, cum libere procediturum; que denique, inter medicandum, vias vel ardua sibi conseruiet, non sine gravi causa vulgatarum. Ita preces mihi spondenti adit Nomen.

§ LXVI.—*Fees.*—The following fees, payable by candidates for the degrees of M. D., C. M., are in all cases payable in advance:—

Registration Fee.....	£ 2 00
Matriculation Examination Fee.....	10 00
Chemistry Class Fee.....	12 00
Chemistry Laboratory Fee.....	8 00
Botany Class Fee.....	6 00
Graduation Fee.....	30 00

## Institutions.

### THE UNIVERSITY LIBRARY.

The General Library consists of about 5,000 volumes selected to meet the wants especially of students of the Faculties of Arts and Science.

It contains the MACKENZIE COLLECTION of works on Mathematical and Physical Science, which was presented to the College by the relatives of the late Professor J. J. Mackenzie; the ROBERT MORROW COLLECTION of works on Northern Antiquities and Languages, presented by Mrs. Robert Morrow; and the DUMMIE MEMORIAL, presented by Dr. MacMechan.

During the past year about 500 volumes have been added to the Library. For many of these we are indebted to generous friends of the College.

Prof. John Johnson has presented the Classical Department with a valuable collection of Classical Works.

From Mr. J. J. Stewart, the Library has received a set of *Blackwood Magazines*, from 1830-1875; also several volumes of the *London*, and of the *North British Review*.

From the estate of the late Sir Adams Archibald we have received 39 volumes. This gift includes some rare and valuable books on Canadian History.

A "Friend of the College," has in addition to a gift of 10 volumes of English Essayists, supplied the "Reading Tables" with the *Athenaeum*, the *Bookman*, *Past Love*, and the *Saturday Review*.

Mrs. Edward Drummond, of Hyde Park, London, has presented the Library with a set of Dr. Lionel Beale's works.

An excellent custom has been instituted by the graduating class of this year. Forty dollars have been subscribed by the class for books for the Library. It has been decided that this gift shall take the form of a Class Memorial.

From the class of '96 the Library has also received a gift. They have given 16 volumes to the English Department.

In addition to the above the following gifts have been received:—

SIXTH LECTURE FUND, 28 vols; MacMillan & Co., 26 vols; *Dalhousie Gazette*, 17 vols; William Magee, B. A., 12 vols;

William Aiton, B. A., 4 vols; George N. Hay, Ph. B., 3 vols; Philomathic Society, 8 vols; Alumni Association, 7 vols; Rev. J. W. Nelson, 8 vols; Mrs. W. B. Stairs, 1 vol; Prof. Lawson, 3 vols; Dr. Forrest, 2 vols; Prof. MacMechan, 3 vols; Prof. MacGregor, 1 vol; Dr. Murphy, 2 vols; A. W. H. Eaton, Esq., 1 vol; Dr. William Kingsford, 1 vol; Rev. T. C. Jack, 1 vol; Captain Lowe, 2 vols; George F. Johnson, B. A., 1 vol; Hector McInnes, LL. B., 1 vol; Prof. Murray, 2 vols; United States Government, 8 vols; Dominion Government, 3 vols; N. S. Institute of Science, 1 vol; Natural History Society, Montreal, 1 vol; Smithsonian Institution, 1 vol.

Calendars have been received from the following Universities and Colleges:—

Edinburgh, Glasgow, Aberdeen, St. Andrew's, London, Durham, Bristol, Mason's College, Victoria, Tokio, Sydney, Melbourne, Buenos Ayres, Harvard, Yale, Columbia, Cornell, Michigan, Vassar, Bryn Mawr, California, Leland Stanford, Clark, Toronto, Manitoba, Queens, McGill, Trinity, Wycliffe, Mount Allison, New Brunswick, Kings, Acadia, Memrancook, Prince of Wales, Pennsylvania, John Hopkins', Ottawa, St. Boniface, Laval, Central Tennessee, University College of Dundee, St. Francis Xavier, Presbyterian College of Montreal, Institute of Technology of Mass., St. Joseph's, St. Dunstan's, Howard, De Pauw, Colorado.

An engraving of a famous portrait of our founder, Earl of Dalhousie, was presented to the Library by Dr. MacGregor. The artist's name is Sir Watson Gordon, S. A. It is reputed to be the best portrait of our founder.

The late Charles Young, Judge of the Supreme Court of P. E. I., left the College a valuable portrait of his father. On the back of the portrait is written,—“My Father, the Hon. John Young, Author of *Agriœola's Letters*, published in Nova Scotia.” The Hon. John Young, the father of our generous benefactor Sir William Young, was born in Falkirk, Scotland, and died at Halifax, N. S., in 1837, in his 63rd year.

To an Alumnus and several members of the Arts Faculty, the Library is greatly indebted for generous contributions to a salary for an Assistant Librarian, who was present daily from 10 A. M. to 5 P. M. This year a great increase is noticeable in the numbers of students who avail themselves of the Library privileges. The increased interest of the students is also manifested by the gifts of the *Gazette*, of the Philomathic Society, of the Class of '96, and the resolution of the graduating class to place a Class Memorial in the Library. Mr. George F. Johnson, B. A., has discharged the duties of Assistant Librarian to the satisfaction of every one.

## THE UNIVERSITY MUSEUM.

The MUSEUM\* consists chiefly of the THOMAS McCULLOCH and the PATTERSON COLLECTIONS.

THE THOMAS McCULLOCH COLLECTION was presented to the University in 1884, by the Rev. William McCulloch, D. D., of Truro, with a fund of \$1,400 for extending the collections. It formed the museum of Prof. Thomas McCulloch, who occupied the chair of Natural Philosophy from 1863 to 1865. It contains a large and valuable collection of birds, especially of the native birds of the Maritime Provinces, many specimens of minerals, especially of Nova Scotian species, also rock specimens, a set of Carboniferous fossils, chiefly Nova Scotian, and a collection of European Cretaceous fossils, Indian implements, shells of recent Mollusca, native plants, &c. These collections were made in part by Rev. Thomas McCulloch, D. D., the first President of the College. The McCulloch collection of birds has recently been increased by additions paid for out of the McCulloch Museum Fund. An arrangement has been made with Mr. T. J. Egan, by which his valuable collection, containing about 30 cases of native birds, has also been added.

THE PATTERSON ARCHAEOLOGICAL COLLECTION.—The collection of Indian Antiquities was made by Rev. George Patterson, D. D., F. R. S. C., while engaged during a number of years in researches regarding the history and modes of life of the aborigines of Nova Scotia. The collection was presented by him to the College in 1889, on the condition that the Governors should make suitable "provision for the preservation and exhibition of the same, in such a manner as is usual in well-managed museums." It is kept as a separate collection. It contains 288 specimens, separately catalogued, and is arranged conveniently for reference. About 250 of the specimens have been obtained in Nova Scotia; they illustrate the stone age of its aboriginal inhabitants, and form an almost complete representation of the articles usually found among the remains of the native races of North America. There is also a number of similar articles from the United States, Scotland, the West Indies, and especially the New Hebrides. The classified catalogue of the collection, which is arranged according to the method adopted in the description of the archaeological collections of the Smithsonian Institution, contains full particulars of the localities where the several specimens were obtained.

\*The Provincial Museum, in the New Provincial Building, Market Square, contains collections illustrating the Mineralogy, Geology and Zoology, of the Province, and is open to the public daily; it may be conveniently used by students.

A Collection of Nova Scotian Plants, mounted and systematically arranged, is being formed by members of the Philomathic Society, who collect during the summer months.

DONATIONS OF DRIED PLANTS from the Pacific Islands and Australia, have been made by Rev. Hugh Robertson and Rev. Joseph Ansdand, M. A., New Hebrides; and of Nova Scotian Plants by Mr. George G. Campbell, B. Sc., Truro.

A Collection of CARBONIFEROUS FOSSILS from the coal measures at Spring Hill, has been presented by Mr. Swift, of the Spring Hill Mines, Cumberland County.

## THE GYMNASIUM.

Instruction is furnished by a competent Gymnast.

All male students, shall, on paying the registration fee, be entitled to the use of the Gymnasium.

## THE ALUMNI ASSOCIATION.

(Incorporated 1876.)

### EXTRACT FROM THE LAWS.

1. The object of the Association shall be the promotion of the interests of the University.
2. The Association shall consist of Ordinary and Associate Members.
3. All Graduates of the University, all persons who, during at least one academic year, have been registered students, either of Dalhousie College or of Colleges which have been merged in or united with Dalhousie College, and all other persons who have at any time been educated by means of the funds of Dalhousie College, shall be eligible for ordinary membership. But no persons other than graduates shall become members until three years have elapsed from the date of their first entering the College, except by special permission of the Executive.
4. Persons not eligible for membership under Section 3, may be elected Associate members.

## OFFICERS.

President .....	C. H. CARAN, B. A., LL. B.
Secretary .....	JOHN A. MCKINNON, B. A., LL. B. 162 Hollis Street, P. O. Box 228.
Treasurer .....	Wm. D. CAMERON, 111 Granville Street, P. O. Box 461.

## STUDENTS' SOCIETIES.

## General Students' Meeting.

This meeting is held regularly in November and February to conduct business in which all the students of the University are interested. Special meetings may be called by the President at any time.

The DALHOUSIE GAZETTE is published by the students of the University under the authority of the General Students meeting. The Editors for 1894-95 are as follows:—R. G. Strathie, D. A. Fraser, J. W. Treffry, R. M. MacGregor, W. M. Selgwick, D. McOdram.

## Arts Students' Meeting.

This meeting is held regularly in October and April to conduct business in which the Arts students alone are interested. Special meetings may be called at any time by the President.

## OFFICERS.

President .....	H. P. DEGRIMEN.
Vice-President .....	MURRAY MACNEIL.
Secretary .....	D. A. FRASER.
Executive Committee .....	R. G. STRATHIE, A. F. ROSE, ROSS MILLAR.

## The Sodales Debating Club.

The Sodales Debating Club meets weekly during the session, subjects of general interest being discussed.

## OFFICERS.

President .....	W. C. MERDOCK.
Vice-President .....	R. M. MACGREGOR.
Secretary Treasurer .....	H. MAROS.
Executive Committee .....	H. PYKE, H. STEPHAN, M. CEMMIN.

## The Medical Debating Society.

Meetings of this Society are held weekly throughout the session. Topics of general interest are discussed, and papers on medical subjects are read by city doctors.

## The Mock Parliament.

The Mock Parliament meets weekly. All students of the University are welcome, but only students in law are allowed to take part in the debates, which are mostly of a political nature, on questions of the day. It is conducted strictly in accordance with parliamentary procedure.

## Young Men's Christian Association.

Meetings of the Association are held every Saturday evening at the College.

## OFFICERS.

President .....	JOHN STIRLING, '95.
Vice-President .....	D. McODRUM, '97.
Recording Secretary .....	MELVILLE CUMMING, '96.
Corresponding Secretary .....	A. H. FOSTER, '95.
Treasurer .....	W. H. McNAIRY, '95.

## The Moot Court.

The Moot Court is intended for law students only, so far as arguing is concerned. It is conducted as nearly as possible after the manner of the Supreme Courts, and all law students of second and third years standing are required to take part in at least one case during the session. (See Law Faculty.)

## The Dalhousie Athletic Club.

## OFFICERS.

Honorary President .....	PRESIDENT FORREST.
President .....	_____
Secretary .....	_____
Treasurer .....	_____
Executive Committee .....	{ _____ _____ _____

## The Philomathic Society.

The objects of this Society are: (a) to stimulate interest in Literature, Science, and Philosophy; (b) to encourage thorough study and independent investigation in special departments;

(e) to give practice in the presentation of subjects, and in the experimental illustration of lectures; (f) to encourage the formation of collections in Botany, Zoology, Geology, Local History, etc. Meetings are held fortnightly during the College Session.

## OFFICERS.

President .....	D. A. FRASER, '95.
	D. A. FRASER, '95.
Vice-Presidents .....	JOSEPH STEWART, '95.
	G. A. SUTHERLAND, '96.
	W. M. SEDGWICK, '96.
Secretary-Treasurer .....	A. H. FOSTER, '95.
Executive Committee .....	BLANCHE McDONALD.
	GEORGE ARTHUR.
	W. H. SMITH.

## University Lists.

## DEGREES

Conferred April 24th, 1904.

## BACHELOR OF ARTS.

BOGELON, HARRY VEEDER.....	Yours.
BREHAUT, ERNEST.....	Marlay Harbor, P. E. I.
CRAWFORD, JAMES ANDREW.....	Cardigan, P. E. I.
FRASER, HUGH McLEOD.....	Pictou.
GRANT, MELVILLE FINLAY.....	Cow Bay, C. B.
GRANT, MILTON DANIEL.....	Hopewell, N. S.
GRANT, ROBERT J.....	Sunny Bros, N. S.
GRAY, WILLIAM SMITH.....	Hopewell, N. S.
HEED, BERTHA BOYD.....	Bridgewater, N. S.
HODDERCKER, CLARA CHARLOTTE.....	Halifax.
JAMIESON, HARRIET JANE.....	Halifax.
JOHNSON, EDENBERG WILLIAM.....	Upper Stewiacke.
LOGAN, JUDAH WILBERT.....	Pictou.
MACDONALD, PETER McLAREN.....	Pictou.
MACINTOSH, JOHN.....	Malagawatch, C. B.
MACKAY, ANSON WILLIAM.....	Grand River, C. B.
MACKAY, JOHN DANIEL.....	Earlton.
MCKENZIE, ELLEN MARGARET.....	Stellarton, N. S.
MCPHER, MARGARET JANE.....	S. River, Antigonish.
MILLIGAN, GEORGE SHERTON.....	St. John, N. B.
MURRAY, ROBERT HARPER.....	Halifax.
PITMAN, JAMES FLEMING.....	Maitland.
ROSS, MARY SOPHIA.....	N. Bodegas, P. E. I.
SIMPSON, FRANCIS STUART.....	Halifax.
SMITH, WILLIAM HENRY.....	New Glasgow.
TATNER, GEORGE PHILIPS.....	River John, N. S.
YORSTON, FREDERICK.....	Pictou.

## BACHELOR OF LETTERS.

McDONALD, ALEXANDER DONALD.....	Charlottetown, P. E. I.
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## MASTER OF ARTS.

ARCHIBALD, SARA ELIZABETH, B. A.....	New Glasgow.
HARRINGTON, EMILY BEVAN, B. A.....	Halifax.
LOGAN, JOHN DANIEL, B. A.....	Pictou.
McARTHUR, SAMUEL JOHNSON, B. A.....	Sherbrooke, N. S.
MORTON, SILVASTS ARCHIBALD.....	Halifax.

## BACHELOR OF SCIENCE.

McKITTRICK, FREDERICK JAMES ALEX., Keeleville.

## BACHELOR OF LAWS.

BORDEN, HENRY CLIFFORD..... Cassing.  
 BURNS, CLEMENT SCOTT..... Halifax.  
 COPE, ARTHUR B..... Joliette.  
 CROWE, ROBERT WILLIAM, B. A..... Halifax.  
 GRAHAM, ROBERT HENRY, B. A..... New Glasgow.  
 HEWSON, EDGAR HILAR, B. A..... Oxford.  
 HILL, WILLIAM ARTHUR GENESEE..... Sydney.  
 LEVING, ROBERT ARCHIBALD..... Buctouche.  
 McDONALD, ALVIN FRASER, B. A..... Hopedale.  
 PATYANT, WILLIAM LEWIS, B. A..... Halifax.  
 ROBERTSON, STRYAN GORDON, B. A..... New Glasgow.

## DOCTOR OF MEDICINE AND MASTER IN SURGERY.

COGSWELL, WILLIAM FURLONG..... Port Williams, N. S.  
 DECHMAN, ANDREW ARTHUR..... Shebrooke, N. S.  
 HAMILTON, ANNE ISABELLA..... Brookfield, N. S.

## GENERAL PASS LIST.

(Containing the names, alphabetically arranged, of undergraduates who have passed in all the subjects proper to their years.)

## FACULTY OF ARTS.

For B. A. Degree.

FOURTH YEAR.—Bigelow, H. V.; Bohart, E.; Crawford, J. A.; Frant, H. M.; Grant, M. D.; Grant, M. F.; Grant, R. J.; Gray, W. S.; Hebb, Bertha B.; Hokenaker, C. M. C.; Jantless, Harriet J.; Johnson, T. W.; Logan, J. W.; MacDonald, P. M.; Macintosh, J.; Mackay, A. W.; Mackay, J. D.; Mackenzie, Ellen M.; McPhee, Margaret J.; Milligan, G. S.; Murray, R. H.; Paterson, J. F.; Ross, Mary S.; Simpson, F. S.; Smith, W. H.; Taitrie, G. P.; Yewton, F. F.

THIRD YEAR.—Aikie, T. D.; Archibald, Adams D.; Best, Tillie A.; Butler, G. K.; Dacshinin, R. P.; Foster, A. H.; Frano, D. A.; Fraser, D. A.; Hepburn, W. M.; Jordan, E. E.; Lawson, T.; Layton, J. S.; Macdonald, Blanche; Morton, R. P.; Robins, K. P.; Ross, Jennie W.; Scribner, J.; Strathin, R. G.; Trevis, J. H.

SECOND YEAR.—Baker, Elma; Cook, D. G.; Cussing, Bonnie A.; Canning, M.; Curtis, W. D.; Davidson, Lilla; Douglas, J. R.; Grant, G. A.; Hill, A. M.; MacGregor, R. M.; Melstosh, D.; McKay, Mary A.; McKay, W. R.; Macneil, M.; Murdoch, W. G.; Murray, L. W.; Hebb, A. F.; Ross, W. D.; Sedgwick, W. M.; Batherland, G. A.

FIRST YEAR.—Archibald, H. T.; Burchell, C. J.; Coffin, R. L.; Farquharson, W. O.; Faulkner, E. R.; Hetherington, Eva; McLean, S. C.; Macleod, G. S.; McKay, Iva; Maxwell, G. H.; Miller, J. R.; Morton, J. B.; Murray, J. T.; Pyke, H. E.; Reid, D. M.; Smith, P. J.

For B. L. Degree.

FOURTH YEAR.—McDonald, A. D.  
 THIRD YEAR.—Currier, F. A.  
 SECOND YEAR.—Hill Amy; Marshall Lillian E.  
 FIRST YEAR.—Stephens, H. W.

## FACULTY OF PURE AND APPLIED SCIENCE.

For B. Sc. Degree.

FOURTH YEAR.—McKittrick, F. J. A.  
 THIRD YEAR.—Forest, W. D.; Lange, K. C. A.  
 SECOND YEAR.—Macdonald, W. A.  
 FIRST YEAR.—Chamberlain, W.

## FACULTY OF LAW.

For LL. B. Degree.

THIRD YEAR.—Borden, H. C.; Burns, C. R.; Cope, A. B.; Crowe, R. W.; Graham, R. H.; Hewson, E. E.; Hill, W. A. G.; Irving, R. A.; McDonald, A. F.; Paynter, W. L.; Robertson, S. G.

SECOND YEAR.—Barnston, A. S.; Crook, L. R.; Finlayson, D.; Fullerton, C. P.; Gerris, E. L.; Gillis, R. M.; Grant, D. K.; Keefer, R. T.; Kirk, H. W. DeW.; Lovett, L. A.; McCreath, R.; McLess, G. A.; Outhit, J. F.; Tremaine, C. F.

FIRST YEAR.—Innes, G. S.; Loggie, W. J.; McVicar, R.; McKay, R. S.; Ross, H.; Scott, F. R.; Snyder, W. H.; Ternan, G. C. R.; Wood, J. E.

## FACULTY OF MEDICINE.

Final M. D., C. M. Examinations.

Cogswell, William Furlong; Dechman, Andrew Arthur; Hamilton, Annie Isabella.

Preliminary M. D., C. M. Examinations.

Dechman, Andrew Arthur; McDonald, John Clyde; McEwen, Henry Emanuel; McKay, Katharine Joanna; McKay, William Alexander; Minard, Ralph Waldo; Moore, Ernest Fraser; Murray, Duncan; Murray, George William; O'Brien, Robert Faulkner; O'Neil, Clara Mary; Smith, Frederick Forbes; Williamson, Samuel W.

FIRST YEAR.—Bentley, Rolie Dingwell; Doonan, Oscar Chipman; Grelson, Robert; Harvey, Frederick Charles; Jost, Arthur Crosswick; McKee, William Ross; Roy, John James.

\*Not including Materia Medica.



## HONOURS, MEDALS, Etc., 1893-94.

## HONOURS.

CLASICS:—Bechard, Ernest, *High Honours*; Logan, Jotham Wilbert; *High Honours*. (Both attained Standard qualifying for Gold Medal).

MATHEMATICS AND MATHEMATICAL PHYSICS:—Ross, Mary Sophia, *High Honours*. McKinnick, Frederick James Alexander, *Honours*.

ENGLISH AND HISTORY:—Simpson, Francis Stuart, *High Honours*. Yorston, Frederick, *Honours*.

ENGLISH AND GERMAN:—Holzacker, Clara Charlotte, *Honours*.

PHILOSOPHY:—Macintosh, John, *High Honours*. MacKay, Angus William, *High Honours*.

## GENERAL DISTINCTION.

Bigelow, Harry Veeder, *With Distinction*.

## SPECIAL PRIZES.

AVERY PRIZE:—Bigelow, Harry Veeder.

WATERLEY PRIZE:—Macintosh, Douglas.

NORTH BRITISH SOCIETY BURSARY:—Macneil, Murray.

NOMINATION TO THE 1851 EXHIBITION SCIENCE SCHOLARSHIP: McKinnick, Frederick James Alexander.

## SENIOR MUNRO EXHIBITIONS.

- |                             |                             |
|-----------------------------|-----------------------------|
| (1) Robins, Edwin Foster,   | (3) Duchesne, Henry Pope,   |
| (2) Jordan, Edward Elliott, | (4) Butler, George Killam,  |
|                             | (5) Church, Nina Elizabeth. |

## SENIOR MUNRO BURSARIES.

- |                             |                               |
|-----------------------------|-------------------------------|
| (1) Foster, Arthur Heyward, | (5) Lawson, Thomas,           |
| (2) Lange, Kristian C.,     | (6) Fraser, Daniel Alexander, |
| (3) Scirling, John,         | (7) Macdonald, Blanche,       |
| (4) Ross, Jenny Wright,     | (8) Hepburn, William Murray,  |
|                             | (9) Layton, James Smith.      |

## SIR WILLIAM YOUNG AND PROFESSORS' SCHOLARSHIPS.

- |                                  |                           |
|----------------------------------|---------------------------|
| (1) Douglas, John Robert,        | (4) Millar, James R. W.,  |
| (2) Benoit, John Alphonse,       | (5) Morton, James Roland, |
| (3) Archibald, Herbert Thompson, | (6) Chamberlain, William. |

## EXAMINATIONS, 1893-94.

## FACULTIES OF ARTS AND SCIENCE.

## MATRICULATION EXAMINATION.

FIRST YEAR.—With *First Class Distinction*: Douglas, John Robt. With *Second Class Distinction*: Benoit, John Alphonse; Archibald, Herbert Thompson; Millar, James Ross; Morton, James Roland; Chamberlain, William. *Passed*: Coffin, Robert Lewis; Faulkner, E. Ross; Farquharson, William Oban; Fraser, Thomas Monroe;

Hood, John; McKay, William Roderick; Maxwell, George Herbert; Moseley, E. W.; Parson, George Frederick; Pyrie, Harry Eason; Ritchie, Thomas Fraser; Stephen, Harry Wilfred,

SECOND YEAR.—Carrier, Frank Allison; Douglas, John Robert; Munro, Henry Fraser.

## MATRICULATED BY CERTIFICATE.

FIRST YEAR.—Burchell, Charles Jost; Clarke, Harold M.; Dakin, William; Grant, Mianie Sibella; McLean, Stewart Clifford; McLeod, George Sutherland; McKay, Ira; Murray, John Tucker; Reid, David McKee; Smith, Percy James.

SECOND YEAR.—Benoit, Alphonse James; Davidson, Lilla Augusta; Hill, Amy; McKay, Mary Alexandra; Marshall, Lillian; Murdoch, William Clarence.

## SUPPLEMENTARY EXAMINATIONS.

FIRST YEAR.—*Mathematics*—Hill, Amy; Hill, Allan Maasie; Murray, L. Wilber. *Greek*—Crawford, James Andrew; Currie, William Douglas; McKay, William Roderick; Scirling, Alexander Hiveson. *Latin*—Mabon, Harry Edmund. *English*—Crawford, James Andrew.

SECOND YEAR.—*Mathematics*—Milligan, George Senter; Carrier, Frank Allison; Archibald, Alexander David. *Latin*—Morton, Rupert Frederick; Crawford, James Andrew. *Junior Physics*—Forbes, William Duff. *Greek*—Crawford, James Andrew; Morton, Rupert Frederick. *Junior Philosophy*—Crawford, James Andrew.

THIRD YEAR.—*Junior Physics*—Murray, Robert Harper.

## SPECIAL EXAMINATIONS.

*Greek, Grammar and Composition*.—McKay, Mary Alexandra.

*English History*.—Marshall, Lillian.

*English*.—Dickinson, Adam Scott.

*Inorganic Chemistry*.—Fraser, Alexander Lewis; Hepburn, William Murray.

## DEGREE EXAMINATIONS.

## CLASS LISTS.

(Containing the names, arranged in order of merit, of all students who have passed in the subjects of the various classes.)

## LATIN.

FOURTH YEAR: *Class I*—Bechard, E. *Class II*—Gray, W. S.; Fraser, Hugh; Grant, M. D. *Passed*—Hobb, Bertha.

THIRD YEAR: *Class I*—Duchesne, H. P.; Butler, G. K.; Church, Nina. *Class II*—Hepburn, W. M.; Layton, J. S. *Passed*—Fraser, D. A.; Morton, Rep.; Trefry, J. H.; Currier, F. A.; Best, Tillie.

SECOND YEAR: *Class I*—Grant G.; MacNeill, Murray. *Class II*—Ross, W. D.; Cummings, Bessie; Baker, Eliza. *Passed*—Hill, A. M.; Cumming, Mel.; Mitchell, G. F.; Robb, Alex.; Sutherland, G. A.; MacGregor, R. M.; Fraser, A. L.; Murdoch, Wm.; Murray, L. W.; Douglas, J. R.; Corrie, W. D.; Sedgewick, Wm.; McKay, W. R.; McKay, Mary; Calkin, D. G.; Davidson, Lilla; McRae, D. M.; Morrison, W.; Mackintosh, D.; Dickie, Gred.; Cummings, A. G.; Scirling, A. P.

FIRST YEAR: *Class I—Coffin, A. L.; McKay, Ira; Archibald, Herb.; Miller, J. R. Class II—Burchell, C. J.; Faulkner, E. R. Passed—Morton, J. R.; Smith, Percy; Murray, J. T.; Farquharson, W. O.; Ross, Arthur; Denison, A. H.; Maxwell, G. H.; Maxwell, Ellen; Rand, Annie; McLean, S. C.; Keddy, D. L.; Dakin, W.; Pyke, Harry; Reid, D. M.; Young, M. R.; MacLeod, G. S.; McKay, A. L.; McDonald, D.; Conroy, Ralph; Hetherington, Eva; McLellan, L. B.; Thompson, Margaret.*

## GREEK.

FOURTH YEAR: *Class I—Brehaut, E. Class II—Fraser, Hugh; Gray, W. S. Passed—Hebb, Bertha.*

THIRD YEAR: *Class I—Duchemin, H. P.; Butler, G. K.; Ross, Jennie; Hephurn, W. M. Class II—Church Nina. Passed—Layton, J. S.; Stirling, J.*

SECOND YEAR: *Class I—Grant, G.; MacNeill, Murray. Class II—Cunning, Melv. Passed—Fraser, A. L.; Sutherland, G. A.; Murdoch, W. C.; Robb, Alex.; Murray, L. W.; Douglas, J. R.; Hill, A. M.; Cunningham, Jessie; Baker, Eliza; Ross, W. D.; Davidson, Lilla; Cook, D. G.; Currie, W. D.; McKay, W. R.; Macgregor, E. M.; Stirling, A. P.; Murray, J. C.; McKay, Mary. Passed—Spring Exam. (Supplens.)—Crawford, J. A.*

FIRST YEAR: *Class I—Archibald, H. Class II—Coffin, E. L.; Faulkner, E. R.; McKay, Ira; Miller, J. R. Passed—Farquharson, W. O.; Smith, Percy; Denison, A. H.; Clark, H. M.; Maxwell, G. H.; McKay, A. L.; Morton, J. R.; Keddy, D. R.; Reid, D. M.*

## FRENCH.

THIRD FRENCH: *Class I—Morrison, J. S. M. Passed—Johnston, J. B.; Gunn, A. D.; McDonald, A. D.*

SECOND FRENCH: *Class I—Ross Mary S.; Bigelow, H. V.; Benoit, J. A. Class II—Hill Amy; Bell, John. Passed—Marshall, Lillian E.; Jamieson, Harriet; McKay, W. F.; Hetherington, Eva F.; Sedgwick, W. M.; Mahon, Harry; Chisholm, Winnifred B.; Macdonald, W. A.; Melatoch, D.; Cummings, A. G.*

FIRST FRENCH: *Class I—Burchell, C. J.; McLean, S. C.; Murray, J. F. Class II—MacLeod, G. S.; Grant, Minnie S.; Chamberlain, W. F. Passed—Saunders, Grace; Morton, R. F.; Stephen, H. W.; Blair, A. W.; Waddell, W. H.; Crockett, A. E.; Burgoyne, D. L.; Pyke, H. E.; Moody, Maggie H.; Lawson, P. F.; Pearson, G. F.; Archibald, E. H.*

## GERMAN.

THIRD GERMAN: *Passed—Forsyth, W. D.*

SECOND GERMAN: *Class I—Lange, Kristin C. A. Class II—Maxwell, Ella; Marshall, Lillian; Johnston, James R.; Saunders, Grace. Passed—Hill, Amy; Dickie, Gordon; Yevocin, Fred; Simpson, F. S.; McKay, W. F.; McDonald, A. D.*

FIRST GERMAN: *Class I—Ross, Jennie W.; Archibald, O. M.; Bell, Tillie A. Class II—Robins, E. P. Passed—Thompson, Margaret; Gunn, A. D.; Stephen, H. W.; Hattie, R. M.; Chisholm, Winnifred B.; Moody, Maggie H.; Lawson, P. F.*

SPECIAL GERMAN.  
*Class I—Hohrecker, Clark C.; Liecht, Bertha.*

## SENIOR ENGLISH.

*Class I—Yarston, F.; Duchemin, H. P.; Hohrecker, C. C.; Simpson, F. S. Class II—MacPhae, M. J.; MacKenzie, E.; Mosely, M. T.; MacKay, A. W.; Fraser, A. L.; Milligan, G. S.; Macintosh, J.; MacKay, J. D.; Church, N. E.; Fraser, D. A. and Macdonald, P. M., and Gray, W. S., equal; Bebban E. and Butler, G. K. equal. Passed—Ross, J. W.; Fraser, H. M. and Heath, R. R. equal; Stirling, J.; Tretry, J. H.; Bent, J. A. and Grant, M. F. equal; Jamieson, H.; Grant, R. J.; John, F. L. and Moody, M. H. equal; Gunn, A. D.; Layton, J. S. and Macdonald, A. D. equal; Currier, F. A.; Johnson, E. W.*

## ENGLISH.

SECOND YEAR: *Class I—MacGregor, E. M.; Cumming, E. A.; Sedgwick, W. M. and Brown, W. D. equal. Class II—MacTavish, N. D.; Burke, W. G.; Dinkin, G.; Hetherington, E.—Without additional work—Morton, J. S. M.; Kirk, J. H. and Bell, J. equal; Grant, G. A.; Baker, E.; Robb, A. F.; Forrest, R.; Murdoch, W. C. Passed—Irving, T.; Cumming, M.; MacKay, W. R.; Hill, A. M.; Davidson, L. and Murray, L. W. equal; Lawson, P. F.; MacKay, M. A.; Campbell, A. H. and Cummings, A. G. and Forrest, M. equal; MacNeill M.; Marshall, L. and Murray, J. C. equal; Benoit, J. A. and Sutherland, G. A. equal; Cook, D. G.; Macintosh, D.; Mahon, H. E.; Macdonald, W. A.; Currie, W. D.; Johnston, J. R. and Stirling, A. D. equal; Douglas, J. R.*

FIRST YEAR: *Class I—Murray, J. T.; Archibald, H. T. and McDonald, D., equal. Class II—Barnes, W.; Saunders, G. H.; Smith, P. J.; Crockett, A. E.; Coffin, R. L. and Lawson, P. F. equal; Macdonald, A. J.; Clark, H. M.; Fisher, A. and Mackay, I. equal. Passed—Burgoyne, D. S.; Macleod, G. S.; Reid, D. M.; Chamberlain, W.; Dakin, W.; Miller, J. R.; Conroy, R.; Morton, J. B.; Rand, A. M. and Ross A. equal; Faulkner, E. R.; Denison, A. H. and Grant, M. S. and Maclean, S. C. and Young, W. equal; Burchell, C. J. and Chisholm, W. R. and Thompson, M. equal; Hattie, E. M.; Farquharson, W. D. and Keddy, D. R. equal; Archibald, O. M.; Slayter, J. M.; McKay, A. L. and McLean, L. equal; Waddell, W. H.; MacLellan, L. B. and Murray, R. P. equal; Pyke, H. E. and Stephen, H. W. equal; Blair, A. D.; Pearson, G. F.*

## HISTORY.

FOURTH YEAR: *Class I—Yarston, Fred.; Simpson, F. S.; McKeown, Ellen. Class II—McPhae, Margaret; Hebb, Bertha R.; Gray, W. S.; Murray, R. H. Passed—Smith, W. H.; Grant, M. D.; Fraser, H. M.; Jobb, F. L.; Crawford, J. A.*

THIRD YEAR: *Class I—Tretry, J. H.; Hephurn, W. M.; Ross, Jennie W.; McIntosh, C. D.; Fraser, D. A. Class II—Fraser, D. A.; Archibald, Alex. D. Passed—Foster, A. H.; Bent, Tillie A.; Layton, J. S.; Archibald, A. G.; Burnath, R. G.; Aikens, T. D.; Morton, R. F.; McKay, W. F. and Gunn, A. D. equal; Currier, F. A.; McNaird, W. W.; Smith, Alex.; Cropper, J. H.*

## ADVANCED POLITICAL ECONOMY.

*Class I—Macintosh John and McKay, A. W. equal. Class II—Bigelow, H. V.; Putnam, James; Morrison, J. S.; Johnson, E. W. Passed—Murray, R. H.; Gunn, A. D.*

## POLITICAL ECONOMY.

*Class I*—Trefry, J. H.; Robins, E. P.; McKenzie, Ellen; Ross, Jennie W. *Class II*—Foster, A. H.; Frame, D. A.; McIntosh, C. D.; McPhee, Margaret; Strathie, R. G. *Passed*—Archibald, A. D.; McNairn, W. W.; Archibald, Adams; McKay, W. P.; Smith, Alex.

## JUNIOR PHILOSOPHY.

*Class I*—\*Cunningham, Bessie A.; \*Cunningham, McVillie; \*MacGregor, E. M.; \*Robb, A. F. *Class II*—\*MacNeill, Murray; \*McTavish, Neil D.; \*Bill, Amy; Lange, K. C. A.; Baker, Elma; Bell, John; Grant, Geo. A. *Passed*—McKay, W. R.; Selgwick, W. M.; Hill, A. M.; Ross, W. D.; Campbell, A. H.; Sutherland, G. A.; Leitch, Bertha; Burns, Winnifred; Mahon, H. E.; Morrison, M.; Davidson, Lilla; Currie, W. D.; Cook, D. G.; Mackay, Mary A.; Stirling, A. D.; Murray, J. C.; Forrest, W. D.; Beazley, J. A.; Murray, L. W.; Irving, T.; Douglas, J. R.; Moody, M. H.; Murdoch, W. C.; Marshall, Lillian; MacFar, D. M.

## SENIOR PHILOSOPHY.

*Class I*—\*Mackay, A. W.; \*Macdonald, John; \*Robins, E. P.; \*Strathie, R. G.; \*Ross, Jennie W.; \*Stirling, John. *Class II*—\*McPhee, Margaret; \*Hepburn, W. M.; \*Foster, A. H.; \*Jamieson, Harriet. *Passed*—McDonald, P. M.; Fraser, A. L.; Frame, D. A.; Arthur, George (S. Sc.); Tattiro, G. P.; McNairn, W. W.; Mitchell, G. F.; McIntosh, C. D.; Johnson, E. W.; Archibald, Adams D.; Carrier, F. A.; Smith, Alex.; Aitken, T. D.; Archibald, Alex. D.

## MORAL PHILOSOPHY.

*Class I*—\*Stirling, John; \*Robins, E. P.; \*Mackay, J. D.; \*Grant, M. F. *Class II*—Smith, W. H.; \*McPhee, Margaret. *Passed*—Grant, R. J.; Putnam, J. E.; Jamieson, Harriet J.; Johnson, E. W.; Mackenzie, Ellen; Murray, R. H.; Grant, M. D.; Macdonald, P. M.; Milligan, G. S.; Tattiro, G. P.; Jobb, F. L.; Parker, L. W.; Crawford, J. A.

## EDUCATION (HISTORY AND THEORY).

*Class I*—Murray, Lucy C. (B. A.); McTavish, Neil D. *Class II*—Beazley, A. J. *Passed*—McLeod, Linnie.

## MATHEMATICS.

**SECOND YEAR:** *Class I*—McNeill, M.; Mankintosh, D. *Class II*—Bell, J.; Cunningham, M.; Bonick, J.; Selgwick, W. *Passed*—Sutherland, G. A.; Ross, W. D.; Macleod, W. C.; Grant, G.; Cook, D. G.; Mackay, W. B.; Davidson, Lilla; Fraser, A. L.; McGregor, R. M.; Currie, W. D.; Mahon, H.; Marshall, Lillian; Crockett, A. E.; Murray, J. C.; Baker, Elma; Macdonald, W. A.; Douglas, J. R.; McKay, Mary; Robb, A. F.; Campbell, A. H.; Hill, A. M.; Irving, T.; Cunningham, Bessie; Murray, W. L.; Ross, D. C. *Passed in Geometry*—McRae, D. M.; Stirling, A. D.; Johnston, J. R.

**FIRST YEAR:** *Class I*—McLean, S. C.; Smith, Percy J.; Reid, D. M.; Macdonald, A. J.; McKay, A. L.; Buchell, C. J.; Archibald, H. T.; McKay, Irs. *Class II*—Chamberlain, W. T.; Archibald, E. H.; Farquharson, W. D.; Dakin, W.; Burns, Winnifred; Ross, Ar.; Blair, A. F.; McBlair, D.; McLeod, L. B.; Millar, J. B.;

\*Took the additional work.

Murray, J. T.; Young, M. R.; Archibald, O. M.; Maclean, L. A. *Passed*—Grant, Minnie; Morton, J. H.; Hetherington, Eva; Faulkner, E. E.; Fisher, A. F.; Pyke, H. E.; Thompson, Margaret; Maxwell, G. H.; Maxwell, Ella; Waddell, W. H.; Keady, D. B.; Macleod, G. S.; Hattie, R. M.; Coffin, R. L.; Clark, H. M.; Stephen, H. W.; Denoon, A. H. *Passed in Geometry*—Rand, Annie; Conrod, R.; Barton, F.; Chisholm, Winnifred. *Passed in Algebra*—Pearson, G. T.

## PHYSICS.

**SENIOR PHYSICS**—*Class I*—Jordan, E. E.; Macdonald, Bessie. *Class II*—Lawson, T. *Passed*—McKittick, F. J. A. and Ross, Mary S. equal; Putnam, J. F.

**JUNIOR PHYSICS**—*Class I*—Jordan, E. E. *Class II*—Macdonald, Bessie; Foster, A. H.; Hepburn, W. M.; Fraser, D. A. *Passed*—Lawson, T.; McIntosh, D.; Frame, D. A.; McTavish, N. D.; Macdonald, W. A.; Stirling, J.; McNairn, W. W.; Strathie, R. G.; Ross, Jennie W.; McIntosh, C. D.; Morton, R. F.; Trefry, J. H.; Hill, Amy; Currie, F. A.; Bent, Tillie A.; Archibald, Adams G. and Layton, J. S. equal; Johnston, J. R.; Smith, A. *Passed in Experimental Physics*—Beazley, J. A.

**PRACTICAL PHYSICS**—*Class I*—McKittick, F. J. A.; Putnam, J. F. *Class II*—Grant, M. D. *Passed*—Lange, K. C. A.; Forrest, W. D.

## ORGANIC CHEMISTRY.

*Class I*—Lange, Kristina C. A.; Forrest, Wm. Duff.

## INORGANIC CHEMISTRY.

*Class I*—Crockett, A. Edwin; McLean, S. C.; Denoon, A. H.; Archibald, Herbert T.; Burchell, C. J.; Chamberlain, W. F.; Murray, J. T. *Class II*—Fisher, A. F.; Hattie, R. M.; Coffin, R. L.; Rand, Annie M.; Mackay, A. L.; Millar, J. R.; McLeod, G. S.; Ross, Arthur; Clark, H. M.; Grant, Minnie S.; Mackay, Irs. McDonald, A. J.; Faulkner, E. B.; McBlair, D.; Nissen, J. M.; Maclean, L. A.; Smith, Percy J.; Young, M. R.; Reid, D. M. *Passed*—Blair, A. D.; Archibald, W. O. M.; Farquharson, W. A.; Maxwell, G. H.; Dakin, William; Waddell, W. H.; Thompson, Margaret; Keady, D. R.; Morton, J. R.; Stephen, H. W.; Conrod, R.; Ruggles, R. S.; Pyke, Harris E.

## PRACTICAL CHEMISTRY (ADVANCED).

(Special and Quantitative work.)

*Class II*—Forrest, W. D.; Lange, K. C. A.; Putnam, James F.

## PRACTICAL CHEMISTRY (SYSTEMATIC).

(Course of Qualification Analysis.)

*Class I*—McKay, W. P.; MacKenzie, Ellen; Chamberlain, W. F.; McIntosh, Douglas; Fraser, D. A.; Jordan, E. E.; McTavish, N. D.; Lawson, Thomas; Nissen, J. M. *Class II*—Moody, Maggie H.; Crockett, A. Edwin; Fraser, Hugh; Gray, W. S.; Hebb, Bertha B.; Layton, J. S. *Passed*—Macdonald, W. A.

## BOTANY.

*Class I*—Gordon, G. S.; Johnson, E. W. *Class II*—Moody, Maggie H.; Lange, K. C. A. McKay, Angus W.; McIntosh, John; Morton, H. F. *Passed*—Waddell, W. H.; Archibald, A. D.; Archibald, O. M.

## FACULTY OF LAW.

## DEGREE EXAMINATIONS.

(Containing the names arranged in the order of merit in the First and Second Class and alphabetically in the Pass List, of Students who have passed in the various subjects.)

## INTERNATIONAL LAW.

Class I.—Graham; Hewson. Class II.—McDonald; Robertson; Borden. *Passed*.—Irving; Copp; Hill; Payzant.

## PARTISHERSHIP.

Class I.—Grant, D. R.; Keefer; Outhit; Fullerton; King. Class II.—Hewson; Robertson; Gerroir; Hill; McLean; Vickery; McDonald; McElreith; Lovitt; Crosby; Graham; Borden; Shaw; Payzant; Copp; Irving. *Passed*.—Tremaine; Gillis; Finlayson; Barnstead; Fraser, M.; McLeod.

## CONSTITUTIONAL LAW.

Class I.—Grant; Murray; Vickery; King; Lovitt; Fullerton; Bigelow; Tremaine; Gillis. Class II.—Crows; McLean; Gerroir; Outhit; McElreith. *Passed*.—Crosby.

## CONFLICT OF LAWS.

Class I.—Grant, D. K.; Vickery; Fullerton; Lovitt; McDonald; Crows; Outhit. Class II.—Keefer; Gillis; Gerroir; Barnstead; Tremaine; Crosby; King. *Passed*.—McElreith; Finlayson; McLean; Shaw; McLeod.

## REAL PROPERTY.

Class I.—Wood; Ross, Hugh; McKay; McVicar; Tetuan; Keefer; Bigelow. Class II.—Scott; Barnstead; McCart; Snyder; Murray; Finlayson; McLeod. *Passed*.—Inman; Hood; Loggie; Macrae; Woodman.

## CRIMES.

Class I.—Bigelow; Wood; Ross; Tetuan; Graham; Inman. Class II.—McVicar; Crows; McKay. *Passed*.—Scott; Aitken; Loggie; Hood; Snyder; Woodman.

## CONTRACTS.

Class I.—Bigelow; Ross, Hugh; Inman; Scott; Loggie. Class II.—Tetuan; Murray; Wood. *Passed*.—McKay; McVicar; Mosley; Snyder; Woodman.

## BILLS AND NOTES.

Class I.—Grant, D. K.; Graham; Outhit; Fullerton; Lovitt; Borden. Class II.—Gerroir; Barnstead; Crosby; Hewson; McDonald, A. F.; Vickery; Hill; Keefer; Robertson; Tremaine; Gillis; Irving. *Passed*.—Copp; Crows; Finlayson; Fraser, T. M.; King; McElreith; McLean; Payzant; Shaw.

## EQUITY.

Class I.—Grant, D. K.; Lovitt; Crosby; Fullerton; Gerroir; Hewson. Class II.—Graham; Robertson; Barnstead; McDonald, A. F.; King; Vickery; Irving; McLean; Tremaine; Finlayson; Keefer. *Passed*.—Borden; Copp; Fraser, T. M.; Gillis; Hill; McElreith; McLeod; Outhit; Payzant; Shaw.

## TEXTS.

Class I.—Barnstead; Finlayson; Inman; Keefer; Loggie; McCart; McKay; McLean; McVicar; Macrae; Ross; Scott; Snyder; Tetuan; Wood. *Passed*.—Woodman.

## CONSTITUTIONAL HISTORY.

Class I.—Wood; Inman; Snyder. Class II.—McVicar; Ross; Grant, M. D.; Tetuan; McKay; Scott; Loggie. *Passed*.—Aitken; Woodman; McCart; Hood.

## SHIPPING.

Class I.—McDonald; Keefer; Payzant; Robertson; Graham. Class II.—Hill; Hewson; Borden; Barnstead; Finlayson. *Passed*.—McLeod; Irving; Copp.

## FACULTY OF MEDICINE.

## DEGREE EXAMINATIONS.

## CLASS LISTS.

(Containing the names arranged in order of merit of all students who have passed in the subjects of the various classes.)

## JUNIOR ANATOMY.

Bentley, Robie Dagwell; Hammon, James A. M. (equal); Grierson, Robert; Harding, Ernest Stanley, (equal); Jost, Arthur Cranwick; Roy, John James; Daly, James; Harvey, Frederick Charles; Morton, Angus McDonald; Gates, Charles Randall; Payzant, Henry Allison, (equal); Dorman, Oscar Chipman; McRae, William Ross.

## JUNIOR CHEMISTRY.

Bentley, Robie Dagwell; Bisset, Ernest Eugene; Dorman, Oscar Chipman, (equal); Daly, James; Roy, John James, (equal); Morton, Angus McDonald; Gates, Charles Randall; Grierson, Robert; Harvey, Frederick Charles; McRae, William Ross, (equal); Payzant, Henry Allison; Jost, Arthur Cranwick.

## BOTANY.

Bentley, Robie Dagwell; Harvey, Frederick Charles; Dorman, Oscar Chipman; Jost, Arthur Cranwick; Roy, John James; O'Brien, Robert Faulkner; Daly, James; Grierson, Robert; Harding, Ernest Stanley; Payzant, Henry Allison, (equal); Bisset, Ernest Eugene; Sutherland, George R., (equal); Gates, Charles Randall; McRae, William Ross, (equal); Morton, Angus McDonald.

## HISTOLOGY AND EMBRYOLOGY.

Bentley, Robie Dagwell; O'Brien, Robert Faulkner; Harvey, Frederick Charles; McKay, Katherine; Josuns, (equal); Grierson, Robert; Roy, John James, (equal); McRae, William Ross; Dorman, Oscar Chipman; Jost, Arthur Cranwick, (equal); Bisset, Ernest Eugene; Hammon, James A. M.

\*Not including Embryology.

## SENIOR CHEMISTRY.

McKay, Katherine Joanna; Smith, Frederick Forbes; Williamson, Samuel W., (equal); McEwen, Henry Emanuel; Olding, Clara Mary; McKay, William Alexander; Murray, Duncan, (equal); O'Brien, Robert Faulkner; Slauenwhite, Stephen; Minard, Ralph Waldo. *Supplementary*.—Farrel, Edward Dominick.

## PRACTICAL CHEMISTRY.

McDonald, Blanche; Downson, Oscar Chipman; McKay, Katherine Joanna, (equal); Smith, Frederick Forbes; McEwen, Henry Emanuel; McKay, William Alexander; Williamson, Samuel W., (equal); McDonald, William Huntley; Murray, Duncan, (equal); Olding, Clara Mary; Daly, James; Minard, Ralph Waldo; O'Brien, Robert Faulkner; Slauenwhite, Stephen, (equal).

## MATERIA MEDICA AND THERAPEUTICS.

McKay, Katherine Joanna; Olding, Clara Mary; Slauenwhite, Stephen. *Supplementary*.—Moore, Ernest Fraser; Dechman, Arthur Andrew; McDonald, John Clyde.

## SENIOR ANATOMY.

McEwen, Henry Emanuel; Moore, Ernest Fraser; Williamson, Samuel W.; Olding, Clara Mary; O'Brien, Robert Faulkner; McKay, Katherine Joanna; Smith, Frederick Forbes; Murray, Duncan; McKay, William Alexander; Minard, Ralph Waldo.

## PHYSIOLOGY.

McEwen, Henry Emanuel; Smith, Frederick Forbes; Williamson, Samuel W.; O'Brien, Robert Faulkner; Murray, Duncan; Olding, Clara Mary; McKay, Katherine Joanna; McKay, William Alexander; Minard, Ralph Waldo; Slauenwhite, Stephen.

## SURGERY.

Cogswell, William Forlong; Dechman, Andrew Arthur; Hamilton, Annie Isabella.

## CLINICAL SURGERY.

Cogswell, William Forlong; Dechman, Andrew Arthur; Hamilton, Annie Isabella.

## MEDICINE AND PATHOLOGY.

Cogswell, William Forlong; Dechman, Andrew Arthur; Hamilton, Annie Isabella, (equal).

## CLINICAL MEDICINE.

Cogswell, William Forlong; Hamilton, Annie Isabella; Dechman, Andrew Arthur.

## OSTEOPEDY AND DISEASES OF WOMEN AND CHILDREN.

Hamilton, Annie Isabella; Cogswell, William Forlong; Dechman, Andrew Arthur.

## MEDICAL JURISPRUDENCE AND HYGIENE.

Hamilton, Annie Isabella; Cogswell, William Forlong; Dechman, Andrew Arthur.

## GRADUATES OF THE UNIVERSITY.

N. B.—Degrees printed with the names have been obtained in other Universities.

Graduates are requested to notify the President of errors or omissions in the following list.

The signs and numbers prefixed in some cases to the names have the following significations:

- 1 Graduated with High Honours in Classics.
- 2 Graduated with Honours in Classics.
- 3 Graduated with High Honours in Latin and English.
- 4 Graduated with Honours in Latin and English.
- 5 Graduated with High Honours in Greek and English.
- 6 Graduated with Honours in Greek and German.
- 7 Graduated with High Honours in English and German.
- 8 Graduated with Honours in English and German.
- 9 Graduated with High Honours in English and English History.
- 10 Graduated with Honours in English and English History.
- 11 Graduated with High Honours in Philosophy.
- 12 Graduated with Honours in Philosophy.
- 13 Graduated with High Honours in Mathematics and Mathematical Physics.
- 14 Graduated with Honours in Mathematics and Mathematical Physics.
- 15 Graduated with High Honours in Experimental Physics and Chemistry.
- 16 Graduated with Honours in Experimental Physics and Chemistry.
- 17 Graduated with Great Distinction.
- 18 Graduated with Distinction.
- † Governor-General's Gold Medal.
- ‡ Governor-General's Silver Medal.
- § Sir William Young's Gold Medal.
- D.M.S. Gold Medal.
- \* Macdonic Gold Medal.
- \*\* Allied Standard qualifying for Gold Medal.
- \*\* Nominated for 1861 Exhibition Science Scholarship.
- Sometimes Minor Tutor in Mathematics.
- Sometimes Minor Tutor in Classics.

NOTE.—Previously to 1893-94 the terms First Rank Honours and Second Rank Honours were used instead of High Honours and Honours respectively, and the terms First Rank General Distinction and Second Rank General Distinction instead of Great Distinction and Distinction respectively.

2 <sup>nd</sup> Adams, H. S., Jesuits' College, Montreal	B. A., 1884
4 <sup>th</sup> Aston, W., Sussex, N. B.	B. A., 1885
Allen, Rev. John M., Edinburgh	B. A., 1873; M. A., 1876
Allison, Edmund P., Sackville, N. B.	B. A., 1889; LL. B., 1891
Allison, Rev. Matthew G., St. Martins, N. B.	B. A., 1885
Anderson, A. H., B. A., Lunenburg, N. S.	LL. B., 1893
Arnold, Edward R., Truro, N. S.	B. A., 1893
Arnold, Rev. Joseph, New Hebrides	B. A., 1893; M. A., 1872
Archibald, Rev. F. W., M. A., B.D., P. D., (obit.)	B. A., 1877

<sup>7</sup> Archibald, Sara E., Academy, New Glasgow.....	B. A., 1892; M. A., 1894.
Archibald, Rev. W. P., Cavendish, P.E.I.	B.A., 1879; M. A., 1878
Armstrong, B. H., Halifax.....	L. B., 1890
Armstrong, E. H., Yarmouth.....	L. B., 1888
Arthur, George, Alberton, P. E. I.....	B. Sc., 1893
<sup>8</sup> Bakin, F. W. M., Digby.....	B. A., 1892
Barnstead, A. S., Halifax.....	B. A., 1893
<sup>9</sup> Baxter, Agnes S., Halifax.....	B. A., 1891; M. A., 1892
Bayne, Prof. H. A., Ph.D., F.R.S.C. (obit.).....	B.A., 1869; M. A., 1872.
Bayne, Rev. S. E., Mabou.....	B. A., 1871
<sup>10</sup> Bell, F. H., Halifax.....	B. A., 1876
<sup>11</sup> Bell, J. A., Riverside, Cal.....	B. A., 1883
Bennett, A. W., Sackville, N. B.....	L. B., 1885
Bennett, H. B., Hopewell Cape, N. B.....	L. B., 1893
Bethune, J. L., M.P.P., Baddeck, C. B.....	M. D., C. M., 1875
<sup>12</sup> Bigelow, H. V., Truro.....	B. A., 1894
Bill, E. M., B. A., Shelburne.....	L. B., 1892
Blackadar, H. S., B. A., Halifax.....	L. B., 1892
Bianchard, C. W., Truro.....	B. A., 1880
Boak, H. W. C., Halifax.....	L. B., 1885
Boeden, H. C., Canning.....	L. B., 1894
Bower, William J., Vanouwer, B.C.....	L. B., 1890
<sup>13</sup> Brehan, E., Murray Harbor, P. E. I.....	B. A., 1894
<sup>14</sup> Brehan, J. W., Westerly, Rhode Island.....	B. A., 1891
<sup>15</sup> Brown, E. N., Lower Newcastle, N. B.....	B. A., 1889
Brown, H. W., B. A., Wolfville.....	L. B., 1893
Bruce, Rev. W. T., M. D., Valley Station, N. S.....	B. A., 1872
Bryden, Rev. C. W., Sulkirk.....	B. A., 1873
<sup>16</sup> Buchanan, James Jost, Sydney, C. B.....	B. A., 1887
Burgess, Rev. J. C., Danville, Col., U. S. A.....	B. A., 1897
<sup>17</sup> Burkitt, Robert J., Athenry, Ireland.....	B. A., 1889; M. A., 1890
Burns, C. S., Halifax.....	L. B., 1894
Byers, D. W., New Amman, Col. Co.....	M. D., C. M., 1893
Calan, Charles H., Halifax.....	B. A., 1886; L. B., 1890
Cairns, Rev. J. A., M. A., Upper Masapoloboh.....	E. A., 1878
Caldor, Fred., Port Hood, C. B.....	L. B., 1892
Caldor, Rev. John, West Bay, C. B.....	B. A., 1886
Calkin, W. S., Truro, N. S.....	B. A., 1887
Cameron, A. G., Newton, Guysborough Co.....	B. Sc., 1882
<sup>18</sup> Cameron, C. S., Amherst.....	B. A., 1879
Cameron, D. A., Sydney, C. B.....	L. B., 1893
<sup>19</sup> Cameron, Rev. J. H., Bass River, N. B.....	B. A., 1878
Cameron, Rev. J. H., Shagopee, Ont., B. A., 1867; M. A., 1871	
Cameron, William, Miramichi.....	B. A., 1873
Campbell, Alexander, Sydney, C. B.....	L. B., 1889
Campbell, Alexander J., Truro.....	B. A., 1886; L. B., 1889

Campbell, D. A., Halifax, N. S.....	M. D., C. M., 1874
Campbell, D. F., East River, St. Mary's.....	B. A., 1860
Campbell, George G., M. D., Truro.....	B. Sc., 1885
<sup>20</sup> Campbell, George M., M. D., Halifax, N. S.....	B. A., 1882
Campbell, J. R., Jr., Dorchester, N. B.....	L. B., 1888
Campbell, R. S., Tatamagouche.....	B. A., 1892
Campbell, William E., Truro.....	B. A., 1887
Carmichael, J. M., New Glasgow, N. S.....	B. A., 1872
Carr, Rev. A. F., Campbellton, N. B.....	B. A., 1871
Carron, Rev. G. S., Pictou, N. S.....	M. A., 1882
Carter, Titus James, Andover, N. B.....	L. B., 1887
Carter, William D., Richibucto, N. B.....	L. B., 1886
Casby, C. E., B. A., Amherst, N. S.....	L. B., 1892
Chambers, F. B., Truro.....	B. A., 1879
Chambers, E. E., Truro.....	B. A., 1877
Chapman, Rev. A. E., Saltaby, N. B.....	B. A., 1890
Chase, Rev. J. H., Onslow.....	B. A., 1899; M. A., 1894
Chisholm, Donald, Antigonish.....	M. D., C. M., 1874
Chisholm, Joseph A., Halifax.....	L. B., 1898
Christie, Rev. T. M., (obit.).....	B. A., 1868
Clarke, Daniel McD., West River, Pictou Co., N. S.....	B. A., 1893
Cluney, Andrew, Halifax.....	L. B., 1887
Coady, Patrick S. F., Margaree, C. B.....	M. D., C. M., 1893
<sup>21</sup> Coffin, Rev. Fuiton J., Trinidad.....	B. A., 1886
Coffin, Rev. F. S., M. A., Mount Stewart, P. E. I.....	B. A., 1885
<sup>22</sup> Coffin, Victor E., Cornell University, N. Y.....	B. A., 1887
Cogswell, G. A., Academy, Truro.....	B. A., 1890
Cogswell, W. F., Port Williams, N. S.....	M. D., C. M., 1894
Congdon, F. H., Halifax.....	L. B., 1891
Congdon, Fred. T., B.A., L.L.B. (Toronto), Halifax, <i>not gradus</i> gradus, L. B., 1889.	
<sup>23</sup> Copp, Frank H., Academy, New Glasgow.....	B. A., 1887
Copp, A. B., Joliet.....	L. B., 1894
Corbett, J. E., Truro.....	L. B., 1892
Costley, Alfred, Halifax.....	B. A., 1881
Cox, George H., Shelburne.....	B. A., 1891
Cox, Robinson, Steveston.....	M. D., C. M., 1875
Crawford, J. A., Cardigan, P. E. I.....	B. A., 1894
Cressman, Rev. D. F., (obit.).....	B. A., 1878; M. A., 1880
<sup>24</sup> Creechman, H. G., B. Sc., Upper Steveston, N. S.....	B. A., 1881
Creighton, J. G. A., Montreal.....	B. A., 1895
Creighton, H. S., Dartmouth.....	B. A., 1880
<sup>25</sup> Creighton, James E., Assoc. Prof. of Phil., Cornell Univ., Ithaca, N. Y. B. A., 1887.	
Crow, R. W., B. A., Halifax.....	L. B., 1894
Croze, Walter, Sydney, C. B.....	L. B., 1886
<sup>26</sup> Crowell, Rev. Edwin, Yarmouth, N. S.....	B. A., 1880; M. A., 1891
Cruikshank, Rev. W., B. D., Montreal.....	B. A., 1872

- Cummings, Selden W., B. A., Truro, N. S. . . . . L.L.B., 1889  
 Davidson, J. F., Pinos Altos, Grant Co., New Mexico . . . B. A., 1892  
 Davison, James McG., Halifax . . . . . B. A., 1889; L.L.B., 1891  
 Deelman, A. A., Shebrook, N. S. . . . . M. D., C. M., 1894  
 DeWolfe, G. H. H., Halifax . . . . . M. D., C. M., 1872  
 Dickie, Alfred, Upper Stewiacke . . . . . B. A., 1879; M. A., 1883  
 Dickie, Henry, Upper Stewiacke . . . . . B. A., 1883  
 DILL, Rev. E. M., B. D., Parrishoer . . . . . B. A., 1884  
 Dockrill, G. O. M., New Westminster, B. C. . . . . L.L.B., 1893  
 Douglas, Ernest A., Maitland . . . . . B. A., 1893  
 Doull, W. S., Halifax . . . . . B. A., 1874; L.L.B., 1885  
 Doyle, Matthew N., Halifax . . . . . L.L.B., 1892  
 Drysdale, G. N., Seattle, Washington Ter. . . . . M. D., C. M., 1892  
 Duff, Kenneth, Lunenburg . . . . . B. A., 1873  
 Emerson, R. R. J. (obit.) . . . . . B. A., 1879  
 Fairweather, F. L., Sussex, N. B. . . . . L.L.B., 1890  
 Fairweather, Stewart, L. St. John . . . . . L.L.B., 1891  
 Finlayson, Duncan, Grand River, C. B. . . . . B. A., 1893  
 Fisher, Rev. J. M., Lawrenceton, N. S. . . . . B. A., 1890  
 Fitzpatrick, H. H. K., L.L. B., Stellarton, B. A., 1895; M. A., 1888  
 Fitzpatrick, Rev. James, Salt Springs . . . . . B. A., 1875  
 Forbes, Antoinette, Academy, Yarmouth . . . . . B. A., 1887  
 Forbes, E. W., Dartmouth, N. S. . . . . B. A., 1893  
 Forrest, James, Halifax . . . . . B. A., 1889; M. A., 1872  
 Forsythe, George O., B. A., Port Hawkesbury, C. B., L.L.B., 1889  
 Frame, J. F., Halifax . . . . . L.L.B., 1890  
 Fraser, Alex., West River, Pictou Co., N. S. . . . . B. A., 1889  
 Fraser, A. H. B., Port Hood, C. B. . . . . L.L.B., 1892  
 Fraser, Rev. Donald, Upper Kemetcook . . . . . B. A., 1887  
 Fraser, Hon. D. C., M. P., New Glasgow . . . . . B. A., 1872  
 Fraser, Rev. D. S., Springside, Col. Co. . . . . B. A., 1874  
 Fraser, H. M., Pictou . . . . . B. A., 1894  
 Fraser, J. G., New Glasgow . . . . . B. A., 1892  
 Fraser, Rev. John K. G., Alberton, P. E. I. . . . . B. A., 1889  
 Fraser, Rev. W. M., Halifax . . . . . B. Sc., 1880; B. A., 1883  
 Fraser, W. R., Wright High Sch., Baltimore, Md. . . . . B. A., 1882  
 France, Victor G., Halifax . . . . . B. A., 1889  
 Fulton, Eben, Middle Stewiacke, (obit.) . . . . . B. A., 1890  
<sup>99</sup>Fulton, Edward, Lower Stewiacke . . . . . B. A., 1889  
 Fulton, E. M., Cornell University, Ithaca, N. Y. . . . . L.L.B., 1892  
 Fulton, G. H., M. D., C. M. . . . . B. A., 1876  
 Fulton, J. A., Lower Stewiacke . . . . . L.L.B., 1893  
 Fulton, W. H., Halifax . . . . . B. A., 1888; L.L.B., 1892  
<sup>90</sup>Gammell, Isaac, Montreal . . . . . B. A., 1885  
<sup>91</sup>George, Rev. J. L., M. A., Belleville, Ont. . . . . B. A., 1878  
 Gilpin, E. Jn., A. M., F. O. S., F. R. S. C., Inspector of Mines, Halifax . . . . . (honoris causa) L.L.D., 1892  
 Goodwin, Emily M., St. John, N. B. . . . . B. A., 1891  
 Graham, R. B., Brookfield . . . . . L.L.B., 1893  
 Graham, R. H., New Glasgow, N. S. . . . . B. A., 1892; L.L.B., 1894  
 Grant, David K., Riverton, Pictou Co. . . . . B. A., 1888; M. A., 1891  
 Grant, Very Rev. G. M., D. D., F. R. S. C., Principal Queen's College, Kingston, Ontario, (honoris causa) L.L.D., 1892  
 Grant, M. D., Hopewell, N. S. . . . . B. A., 1894  
 Grant, M. F., Cow Bay, C. B. . . . . B. A., 1894  
 Grant, R. J., Sunnyside, N. S. . . . . B. A., 1894  
 Grant, William, North Sydney, C. B. . . . . M. D., C. M., 1892  
 Grant, W. R. (obit.) . . . . . B. A., 1877  
 Gratz, H. G., Sunbury Co., N. B. . . . . B. A., 1892  
 Gray, W. S., Hopewell, N. S. . . . . B. A., 1894  
 Gregory, C. E., Antigonish . . . . . L.L.B., 1888  
 Grierson, John A., Weymouth Bridge . . . . . B. A., 1891; L.L.B., 1893  
 Grierson, Robert, Halifax . . . . . B. A., 1890  
 Gunn, Rev. Adam, Cardigan, P. E. I. . . . . B. A., 1872  
 Hamilton, Annie L., Brookfield, N. S. . . . . M. D., C. M., 1894  
 Hamilton, C. A., New Germany . . . . . M. D., C. M., 1891  
 Hamilton, C. F., B. A. (obit.) . . . . . L.L.B., 1890  
 Hamilton, B. H., Pictou . . . . . B. A., 1877  
 Hamright, Fred. W., B. A., Halifax . . . . . L.L.B., 1887  
<sup>92</sup>Harrington, Emily B., Halifax . . . . . B. A., 1892; M. A., 1894  
 Harvey, Rev. McLeod, Newport . . . . . B. A., 1889  
 Hobb, Bertha B., Bridgewater, N. S. . . . . B. A., 1894  
 Henry, Joseph K., Shubenacadie . . . . . B. A., 1889  
 Henry, W. A., Halifax . . . . . L.L.B., 1886  
 Herdman, A. W., Pictou . . . . . B. A., 1877  
<sup>93</sup>Herdman, Rev. J. C., B. D., Calgary, N. W. T. . . . . B. A., 1874; M. A., 1878  
 Herdman, W. C., Pictou . . . . . B. A., 1874; M. A., 1881  
 Hewson, E. H., B. A., Oxford, N. S. . . . . L.L.B., 1894  
<sup>94</sup>Hill, A. R., Cornell University, Ithaca, N. Y. . . . . B. A., 1892  
 Hill, W. A. G., Sydney, C. B. . . . . L.L.B., 1894  
 Hilde, C. W. (obit.) . . . . . M. D., C. M., 1872  
<sup>95</sup>Holeczek, Clara C., Halifax . . . . . B. A., 1894  
 Howatt, Cornelius A., Alberton, P. E. I. . . . . B. A., 1893  
 Howay, F. W., New Westminster, B. C. . . . . L.L.B., 1890  
 Huggins, W. H., St. John, N. B. . . . . L.L.B., 1890  
<sup>96</sup>Hugh David D., Cornell University, Ithaca, N. Y. . . . . B. A., 1891  
 Hunter, John, California . . . . . B. A., 1873  
 Irving, R. A., Boatscho . . . . . L.L.B., 1894  
 Irwin, Archer, Halifax . . . . . M. D., C. M., 1892  
 Ives, W. B., Pictou . . . . . L.L.B., 1885  
 Jamieson, Harriet J., Halifax . . . . . B. A., 1894  
 Jamieson, Holey V., New Glasgow . . . . . L.L.B., 1886  
 Johnson, E. W., Upper Stewiacke . . . . . B. A., 1894  
<sup>97</sup>Johnson, George F., Upper Stewiacke . . . . . B. A., 1892  
 Johnson, Rev. G. M. (obit.) . . . . . B. A., 1888

- Johnson, Isaac W., Tatamagouche ..... M. D., C. M., 1891  
 Johnson, J. B., Loch Broom, N. S. .... B. A., 1892  
 Johnstone, L. M., Halifax, N. S. .... L. B., 1892  
 Jones, Frank, Digby ..... B. A., 1884  
 Jones, H. T., Halifax ..... L. B., 1888  
 Jordan, Elijah J., Murray Harbor, P. E. I. .... B. A., 1891  
 Jordan, Rev. L. H., B. D., Toronto ..... B. A., 1870; M. A., 1873  
 Keefer, Ralph Tupper, Bridgewater, N. S. .... B. A., 1892  
 Kennedy, James S., Port Phillip, N. S. .... B. A., 1891  
 Kenny, J. B., Halifax ..... L. B., 1893  
 Keul, H. V., Truro, N. S. .... M. D., C. M., 1890  
 Kinnaman, F. S., M. D., Centreville ..... B. A., 1889  
 Knowles, J. H., M. D., New Bedford, Mass. .... B. A., 1882  
 Laird, Rev. Alex., Ferrona, Pictou County, N. S. .... B. A., 1890  
 Laird, A. G., Ph. D., Instructor in Greek, Cornell University,  
 Ithaca, New York ..... B. A., 1889  
 Laird, G. A., Manitoba ..... B. A., 1877  
 Landells, R., Cedar Hill, B. C. .... B. A., 1882  
 Lane, C. W., Lunenburg, N. S. .... L. B., 1887  
 Langille, B. M., L. L. B., New Glasgow ..... B. A., 1885; M. A., 1888  
 LeNair, M. U., Halifax ..... L. B., 1885  
 Lewis, Rev. Abner W., B. D., N. W. T. .... B. A., 1896  
 Lewis, E. W., Principal High Sch., Campbelltown, N. B. B. A., 1890  
 Lindsay, A. W. H., M. B. C. M., Halifax ..... B. A., 1870;  
 M. D., C. M., 1873  
 Lippincott, Ashby, M. D., Pittsburg, Pa. .... B. A., 1867  
 Locke, B. T., Loupport ..... B. A., 1885  
 Logan, H. J., Amherst ..... L. B., 1891  
 Logan, J. D., Pictou, N. S. .... B. A., 1893; M. A., 1894  
 Logan, J. W., Pictou, N. S. .... B. A., 1894  
 Logan, Melville, Halifax ..... B. A., 1873  
 Logan, Rev. Richmond, Santa Monica, Cal. B. A., 1877; M. A., 1880  
 Lovett, Henry A., B. A., Truro, N. S. .... L. B., 1889  
 Lyons, William A., Halifax, N. S. .... L. B., 1887  
 McAArthur, S. J., Shorttuck, N. S. .... B. A., 1899; M. A., 1894  
 McAulay, M. W., Grand River, C. B. .... M. D., C. M., 1893  
 McBride, Richard, New Westminster, B. C. .... L. B., 1890  
 McCharles, B. W., Winnipeg, Man. .... M. D. C. M., 1892  
 McColl, A., New Glasgow, N. S. .... B. Sc., 1883  
 McCoy, W. B., B. A., Halifax ..... L. B., 1893  
 McCready, Charles A., Moncton, N. B. .... L. B., 1888  
 McCully, Frank A., B. A., Sussex, N. B. .... L. B., 1887  
 McCurdy, J. F., Halifax ..... B. A., 1891  
 McCurdy, S. T., New Glasgow ..... B. A., 1877  
 McDonald, A. D., Charlottetown, P. E. I. .... L. B., 1894  
 McDonald, A. F., Hopewell, N. S. .... B. A., 1892; L. B., 1894  
 McDonald, A. J., B. A., Sydney, C. B. .... L. B., 1891  
 McDonald, A. J., Malagawatch, C. B. .... B. A., 1892  
 Macdonald, C. D., Halifax, N. S. .... B. A., 1873  
 MacDonald, Rev. Donald, B. D., Port Hastings, C. B. B. A., 1884  
 MacDonald, Ed. M., Pictou ..... L. B., 1887  
 MacDonald, Iris Grace ..... B. A., 1893  
 McDonald, Joseph, North Sydney, C. B. .... L. B., 1891  
 McDonald, J. A., Halifax ..... B. A., 1883; L. B., 1886  
 McDonald, J. H., (obit.) ..... B. A., 1897; M. A., 1870  
 McDonald, L. X., Sydney, C. B. .... L. B., 1892  
 MacDonald, P. M., Pictou ..... B. A., 1894  
 McDonald, Robert J., Hopewell, N. S. .... B. A., 1889  
 McDonald, William, Truro ..... B. A., 1888; L. B., 1890  
 McDonald, W. M., Halifax ..... B. A., 1881  
 McDowell, Isaac, (obit.) ..... B. A., 1876  
 McEilshen, J. A., New Glasgow ..... B. A., 1891  
 McGeorge, Thomas, Belfast, Ireland ..... M. D. C. M., 1893  
 McGregor, Rev. Daniel, Amherst ..... B. A., 1874  
 McGregor, Prof. J. G., D. Sc., P. R. S. S. E. & C., Hfc. B. A., 1871  
 M. A., 1874  
 McGregor, T. S., Little Bras d'Or ..... B. A., 1883  
 McInnes, Hector, Halifax ..... L. B., 1888  
 McIntosh, D. C., Springville, N. S. .... B. A., 1890  
 McIntosh, D. S., Port Hood, C. B. .... B. A., 1892  
 McIntosh, J., Malagawatch, C. B. .... B. A., 1894  
 McIntosh, J. A., Halifax ..... B. A., 1892  
 McKay, Adam A., B. A., Halifax ..... L. B., 1888  
 Mackay, A. H., B. Sc., P. R. S. C., Sept. of Education, Halifax,  
 B. A., 1873; (honoris causa) L. D., 1892.  
 Mackay, A. W., Grand B., C. B. .... B. A., 1894  
 McKay, D. McF., Lorne, Pictou Co., N. S. .... B. A., 1888  
 Mackay, D. O., Heathhill, Pictou Co. .... B. A., 1890  
 McKay, Ebenezer, Johns Hopkins' Univ., Baltimore ..... B. A., 1889  
 McKay, H. M., Academy, Pictou, N. S. .... B. A., 1888  
 Mackay, J. D., Earlton ..... B. A., 1894  
 Mackay, Rev. Kenneth, Richmond, N. B. .... B. A., 1895  
 McKay, M. S., Carthol Biver, N. S. .... B. A., 1892  
 McKay, Nell F., Begonia, N. W. T. .... B. A., 1886  
 McKay, Thomas Calvin, Dartmouth, N. S. .... B. A., 1893  
 McKee, G. W., Baddeck, C. B. .... B. Sc., 1892  
 McKen, Rev. J. A., Orono, Ontario ..... B. A., 1873  
 McKennie, A. S., Lecturer on Physics, Bryn Mawr College, Pa.,  
 B. A., 1885.  
 McKennie, Ellen M., Stellarton, N. S. .... B. A., 1894  
 McKennie, Hugh, Truro ..... B. A., 1872; M. A., 1873  
 McKennie, Rev. James, Pagwash ..... B. A., 1878  
 McKennie, Prof. J. J., Ph. D. (obit.) ..... B. A., 1899; M. A., 1872  
 McKennis, Rev. J. W., East St. Peter's, P. E. I. .... B. A., 1882  
 McKennis, Rev. W. J., West Day, C. B. .... B. A., 1888  
 McKinnon, D. A., Georgetown, P. E. I. .... L. B., 1887



- McKinnon, John A., Halifax..... B. A., 1890; L.L.B., 1892  
 McKittrick, Burgess, Lunenburg..... B. A., 1877  
<sup>88</sup>McKittrick, F. J. A., Koutsville, N. S..... B. Sc., 1894  
 McLachy, Henry F., Hillabore', N; B..... L.L.B., 1887  
 McLass, A. K., Lunenburg, N. S..... L.L.B., 1892  
 McLass, C. A., Englishtown, C. B..... B. A., 1893  
<sup>89</sup>McLean, I. M., M. D..... B. A., 1879  
 McLenn, Rev. J. A., Harvey, N. B..... B. A., 1876  
 McLenn, J. B., Hopewell, N. S..... B. A., 1891  
 McLennan, Daniel, Port Hood, C. B..... L.L.B., 1888  
 McLennan, Rev. J. W., B. D..... B. A., 1883; M. A., 1887  
 McLennan, S. J., Sydney, C. B..... B. A., 1888  
 McLeod, Rev. A. W., P. A. D., Vale, Pictou Co..... B. A., 1875;  
 M. A., 1878.  
<sup>90</sup>McLeod, Ambrose W., Dunstaffnage, P. E. I..... B. A., 1888  
 McLeod, Rev. Donald, Ploverville, Ontario..... B. A., 1874  
<sup>91</sup>McLeod, F. J., Charlottetown Royalty, P. E. I..... B. A., 1890  
<sup>92</sup>McLeod, George, Murray River, P. E. I..... B. A., 1888  
 McLeod, J. M., M. A., Valleyfield, P. E. I..... B. A., 1885  
<sup>93</sup>McLeod, J. F., Principal of High Sch., Victoria, B. C. B. A., 1884  
 McLeod Rev. J. W. (obit.)..... B. A., 1876; M. A., 1880  
<sup>94</sup>McLeod, Malcolm J., Bellast, P. E. I..... B. A., 1887  
 McMillan, C. K., Academy, Port Hawkesbury..... B. A., 1891  
 McMillan, Finlay, Sheet Harbor, N. S..... M. D.; C. M., 1872  
 McMillan, P. A., Alberry Plains, P. E. I..... B. A., 1891  
<sup>95</sup>McMillan, Rev. G. W., Malpeque, P. E. I..... B. A., 1875  
 McNaughton, Elizabeth Shofield, St. John, N. B..... B. A., 1891  
 McNaughton, Rev. Saml. Preston, G. B., B. A., 1867; M. A., 1870  
 McNeill, Alex., B. A., Halifax, N. S..... L.L.B., 1891  
 McNeill, Albert H., Vanover, B. C..... L.L.B., 1889  
<sup>96</sup>McNeill, Charlotte M., Halifax..... B. A., 1887  
 McNeill, Roderick, St. Catherine's, P. E. I..... B. A., 1892  
 McPhee, D. L., North Sydney, C. B..... L.L.B., 1890  
 McPhee, Margaret J., So. River, Antigonish..... B. A., 1894  
<sup>97</sup>McRae, A. O., Academy, Pictou, N. S..... B. A., 1893  
 McRae, A. W., M. A., St. John, N. B..... B. A., 1886  
 Moltan, William (obit.)..... M. D., C. M., 1872  
 Magee, Edgar A., Vancouver, B. C..... L.L.B., 1888  
 Magee, W. H., Cornell University, Ithaca, N. Y..... B. A., 1891  
 March, S. E., Bridgewater, N. S..... L.L.B., 1893  
 Martin, Albert J. D., Valleyfield, P. E. I..... B. A., 1893  
<sup>98</sup>Martin, K. J., Charlottetown, P. E. I..... B. A., 1885  
 Mason, Rev. W. A., Georgetown, P. E. I..... B. A., 1877  
 Mathers, F. F., Halifax..... L.L.B., 1892  
 Matheson, Rev. J. A., B. D., Davisburgh, N. W. T..... B. A., 1888  
 Mellish, Humphrey, Halifax..... B. A., 1892; L.L.B., 1893  
 Meyer, E. J., Halifax..... M. D., C. M., 1895  
 Müller, Rev. E. D., Yarmouth, N. S..... B. A., 1869  
 Miller, George..... B. A., 1890  
 Miller, J. J., Halifax..... B. Sc., 1885  
 Milligan, G. S., St. John, N. B..... B. A., 1894  
 Miliken, A. E., Moncton, N. B..... L.L.B., 1886  
 Montgomery, John, St. John, N. B..... B. L., 1891; L.L.B., 1893  
 Mooney, P. C. C., Halifax..... L.L.B., 1885  
<sup>99</sup>Moore, C. L., Academy, Pictou..... B. A., 1891  
 Morash, A. V., Lunenburg..... B. A., 1891  
 Morice, A. B., St. John's, Newfoundland..... L.L.B., 1892  
 Morrison, Asley, New Westminster, B. C..... L.L.B., 1888  
<sup>100</sup>Morrison, A. M., Johns Hopkins Univ., Baltimore..... B. A., 1888  
 Murrew, Arthur, M. B., C. M. (Edin.) ad eandem gradum,  
 M. D., C. M., 1892.  
 Morse, C., Ottawa..... L.L.B., 1885  
 Morton, Joseph S., M. D., Shelburne..... B. A., 1876  
<sup>101</sup>Morton, Silvanus A., Academy, Hfx, N. S. B. B., 1886; M. A., 1894  
 Muir, Eshel, Halifax..... B. L., 1891; M. L., 1893  
 Muir, W. S., L. E. C. P. & S. Edin., Truro..... M. D., C. M., 1875  
 Munro, Rev. Christopher, Oxford, N. S..... B. A., 1891  
 Munro, G. W., 17-27 Vandewater Street, New York, B. A., 1878  
 Munro, H. H., Yarmouth..... L.L.B., 1893  
 Munro, Rev. J. R., Antigonish..... B. A., 1876  
<sup>102</sup>Murray, D. A., Cornell Univ., Ithaca, N. Y..... B. A., 1884  
 Murray, J. S. (obit.)..... B. A., 1877  
<sup>103</sup>Murray, Lucy C., Studholme, N. B..... B. A., 1893  
 Murray, R. G., St. John, N. B..... L.L.B., 1892  
 Murray, R. H., Halifax, N. S..... B. A., 1894  
 Murray, W. C., Prof. Dal. Col., M. A. (Edin.) ad eandem gradum,  
 M. A., 1893.  
 Newcombe, E. L., L.L. B., Deputy Minister of Justice, Ottawa,  
 B. A., 1878; M. A., 1881.  
<sup>104</sup>Newcombe, Margaret F. (Mrs. J. S. Treeman), Ladies' College,  
 Halifax..... B. A., 1885  
<sup>105</sup>Nicholson, Alfred, M. A., Southport, P. E. I..... B. A., 1896  
 Notling, Thomas, Halifax..... L.L.B., 1890  
 O'Brien, Robert F., Noel, Hants Co..... B. Sc., 1893  
<sup>106</sup>Oliver, A. C. L., Digby..... B. A., 1891  
 Osley, C. H., B. A., Oxford, N. S..... L.L.B., 1890  
<sup>107</sup>Osley, J. M., L.L. B., Ottawa..... B. A., 1874  
 Paton, Vincent J., Bridgewater, N. S..... B. A., 1889; L.L.B., 1891  
 Patterson, George G., New Glasgow..... B. A., 1882; M. A., 1887;  
 L. B., 1889.  
 Payzant, John A., B. A., Halifax..... L.L.B., 1893  
 Payzant, W. L., B. A., Halifax..... L.L.B., 1894  
 Pildishe, Colin, M. D., C. M. (obit.)..... B. A., 1877  
 Pollok, A. W. (obit.)..... B. A., 1872  
 Puddington, H. F., St. John, N. B..... L.L.B., 1893  
 Putnam, Harold, Truro, N. S..... B. A., 1893

- Putnam, Homer, Lower Onslow, N. S. . . . . B. A., 1889  
 Putnam, J. F., Matland . . . . . B. A., 1894  
 Putnam, William G., Matland . . . . . B. A., 1887  
 Ratten, Rev. E. J., St. Francis, N. B. . . . . B. A., 1899  
<sup>18</sup>Reid, A. G., M. B., C. M., Halifax . . . . . B. Sc., 1883  
 Rice, F. E., Digby . . . . . M. D., C. M., 1893  
<sup>19</sup>Ritchie, Eliza, P.A. D., Asso.-Prof. of Philosophy, Wellesley Coll.,  
 B. L., 1887.  
 Robert, Cassimir, Arichat, C. B. . . . . M. D., C. M., 1875  
 Roberts, J. A., Bridgewater, N. S. . . . . L.L.B., 1890  
 Robertson, H. McN., Barrington, N. S. . . . . L.L.B., 1886  
 Robertson, S. G., B. A., New Glasgow . . . . . L.L.B., 1894  
 Robertson, S. N., North Belquis, P. E. I. . . . . B. A., 1892  
 Robertson, T. R., Kentville . . . . . B. A., 1888; L.L.B., 1890  
<sup>20</sup>Robinson, Alexander, Vancouver, B. C. . . . . B. A., 1886  
<sup>21</sup>Robinson, C. B., Kentville . . . . . B. A., 1891  
 Robinson, D. M., Sussex, N. B. . . . . B. A., 1893  
<sup>22</sup>Robinson, G. E., Vancouver, B. C. . . . . B. A., 1885  
 Robinson, Rev. J. M., Moncton . . . . . B. A., 1873  
 Rogers, Rev. Anderson, Windsor . . . . . B. A., 1878  
 Rogers, H. W., Amherst . . . . . L.L.B., 1887  
 Ross, Alexander, Principal of Restigouche Grammar School, Dal-  
 louse, N. B. . . . . B. A., 1897  
 Ross, Henry T., Bridgewater . . . . . L.L.B., 1899  
<sup>23</sup>Ross, George E., Newport, N. S. . . . . B. A., 1893  
<sup>24</sup>Rosa, Hadley, D. V., Stanley Bridge, P. E. I. . . . . B. A., 1893  
<sup>25</sup>Ross, Mary S., N. Bedoue, P. E. I. . . . . B. B., 1894  
 Ross, Rev. William, Prince William, N. B. . . . . B. A., 1873  
<sup>26</sup>Rowlings, G. A. R., Halifax . . . . . B. A., 1890; L.L.B., 1893  
 Ruggles, N. C., Lunenburg . . . . . L.L.B., 1891  
 Russell, Rev. A. G., Oyster Bay, L. I., N. Y. . . . . B. A., 1871  
 Russell, Frank W., Dartmouth . . . . . L.L.B., 1893  
 Russell, Joseph A., Vancouver, B. C. . . . . L.L.B., 1887  
 Sanger, H. W., B. A., Windsor . . . . . L.L.B., 1892  
<sup>27</sup>Schurman, G. W., Cornell University, Ithaca, N. Y. B. A., 1890;  
 L.L.B., 1892.  
 Scott, Rev. Ephraim, Montreal . . . . . B. A., 1872; M. A., 1875  
 Scott, Rev. Prof. H. McD., B. D., Chicago . . . . . B. A., 1870  
 Scott, J. McD., (obit.) . . . . . B. A., 1877  
 Sedgewick, J. A., Halifax . . . . . B. A., 1881; L.L.B., 1885  
 Sedgewick, Robert, Judge Sup. Court of Canada . . . . . B. A., 1867;  
 (honoris causa) L.L.D., 1893.  
 Shaw, A. E., B. A., Windsor . . . . . L.L.B., 1891  
<sup>28</sup>Shaw, Henry C., Stanhope, P. E. I. . . . . B. A., 1887  
<sup>29</sup>Shaw, James C., M. A., Vancouver, B. C. . . . . B. A., 1887  
 Shaw, Robert (obit.) . . . . . B. A., 1866  
<sup>30</sup>Simpson, F. S., Halifax . . . . . B. A., 1894  
 Simpson, Rev. Isaac S., New York State, U. S. A. . . . . B. A., 1868  
 Sinclair, J. A., St. John, N. B. . . . . L.L.B., 1890  
 Smith, B. S., St. John . . . . . L.L.B., 1892  
 Smith, Rev. D. H., Truro . . . . . B. A., 1867; M. A., 1871  
 Smith, Rev. Edwin, Steelesacke . . . . . B. A., 1867  
 Smith, E. B., Truro . . . . . B. A., 1890  
 Smith, Rev. H. McN. . . . . B. Sc., 1884  
<sup>31</sup>Smith, Rev. James F., (obit.) . . . . . B. A., 1886; M. A., 1890  
 Smith, W. H., New Glasgow . . . . . B. A., 1894  
 Smithers, Rev. Allan, Waterford, N. B. . . . . B. A., 1889  
<sup>32</sup>Solona, D. M., Principal New Glasgow High Sch. . . . . B. A., 1888  
 Spencer, Rev. W. H., Montagu, P. E. I. . . . . B. A., 1881  
 Stairs, H. B., Halifax . . . . . B. A., 1891; L.L.B., 1893  
 Stevens, D. J., Halifax . . . . . L.L.B., 1890  
 Stewart, Alexander F., Pictou . . . . . B. A., 1887  
<sup>33</sup>Stewart, Anne A., Pictou . . . . . B. Sc., 1886  
<sup>34</sup>Stewart, Duggall, M. D., Bridgewater . . . . . B. A., 1886  
 Stewart, F. L., Academy, Sydney . . . . . B. A., 1889  
<sup>35</sup>Stewart, James McG., Pictou . . . . . B. A., 1876  
 Stewart, Rev. Thomas, B. D., Dartmouth . . . . . B. A., 1882  
 Stranberg, H. M., New Westminster, B. C. . . . . B. A., 1875  
 Sutherland, Rev. J. M., Victoria, Man. . . . . B. A., 1869  
<sup>36</sup>Sutherland, Rev. J. S., Sussex, N. B. . . . . B. A., 1888  
 Sutherland, Roderick (obit.) . . . . . M. D., C. M., 1872  
 Taitrie, G. P., River John, N. S. . . . . B. A., 1894  
 Taylor, W. B. (obit.) . . . . . B. A., 1884  
<sup>37</sup>Thompson, Rev. A. W., M. A., Corva, Trinidad, W. I. B. A., 1885  
 Thompson, F. W., Merigomish . . . . . B. A., 1891  
 Thompson, Hon. Sir J. S. D., K. C. M. G., Premier and Minister  
 of Justice, Ottawa . . . . . (honoris causa) L.L.D., 1892  
 Thompson, Stanley R. . . . . L.L.B., 1893  
 Thompson, W. E., Halifax . . . . . L.L.B., 1893  
 Thompson, Willard S., New Glasgow . . . . . B. A., 1893  
 Thomson, A. E., Halifax . . . . . B. A., 1880  
 Thomson, Walker K., Halifax . . . . . L.L.B., 1887  
 Thorburn, W. M., L. C. S., Madras Pres., India . . . . . B. A., 1870  
 Tilley, L. P. D., St. John, N. B. . . . . L.L.B., 1893  
 Tobin, Thomas F., Halifax . . . . . L.L.B., 1889  
 Torry, E. J., Windsor . . . . . B. A., 1882  
 Troop, Arthur G., B. A., Dartmouth . . . . . L.L.B., 1892  
 Treaman, A. L., St. John, N. B. . . . . B. A., 1872; M. A., 1878  
<sup>38</sup>Treaman, Prof. J. S. (obit.) . . . . . B. A., 1882  
 Treaman, W. H., St. John, N. B. . . . . L.L.B., 1892  
 Tufts, Rev. W. M., M. A., Belquis, P. E. I. . . . . B. A., 1885  
<sup>39</sup>Topper, J. W., Johns Hopkins Univ., Balt., Md. . . . . B. A., 1891  
 Turnbull, G. D., Upper Massachusetts . . . . . M. D., C. M., 1892  
 Turner, D. F. D., London, G. B. . . . . B. A., 1884  
<sup>40</sup>Waddell, Prof. John, Ph. D., D. Sc., Kingston, Ont. B. A., 1877  
 Wallace, Rev. John, Lone City, Assand, Cal., U. S. A. B. A., 1870



McIntosh, Douglas	New Glasgow.
McKay, Mary Alexander	Dartmouth.
McKay, William Roderick	Springville, Pictou.
Macneil, Murray	St. John.
McRae, Duncan Murdoch	Baldock, C. B.
Mahon, Harry Edward	Halifax.
Murray, L. Wilbur	Amherst.
Robb, Alexander Francis	St. John.
Ross, William Daniel	Stanley Bridge.
Sodgewick, William Middleton	Tatamagouche.
Stirling, Alexander Dinwoodie	Clifton, P. E. I.
Sutherland, George Adam	Carlton.

## FIRST YEAR.

Archibald, Herbert Thompson	Colton, Sas. Hana Co., Cal.
Burchell, Charles Just	Sydney, C. B.
Coffin, Robert Lewis	Charlottetown.
Dakin, William	Truro.
Ferguson, William Olan	Halifax.
Grant, Minnie Sbella	New Glasgow.
Hecheington, Eva Florence	Halifax.
McLean, Stuart Clifford	New Glasgow.
MacLeod, George Sutherland	Charlottetown.
McKay, Ian	Millville, Pictou Co.
Maxwell, George Herbert	Halifax.
Millar, James Ross	Yarmouth.
Morton, James Roland	Milton.
Murray, John Tucker	Truro.
Pearson, George Frederick	Halifax.
Pyle, Harry Esen	Halifax.
Reid, David McKeen	Manquodobek.
Ritchie, Thomas Fraser	Halifax.
Smith, Percy James	Halifax.

*In Letters.*

## FOURTH YEAR.

McDonald, Alexander Donald	Charlottetown, P. E. I.
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## THIRD YEAR.

Currier, Frank Allison	Upper Gagetown, N. B.
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## SECOND YEAR.

Marshall, Lillian Elizabeth	Halifax.
Johnston, James Roblesso	Halifax.
HEL, Amy	Halifax.

## FIRST YEAR.

Chisholm, Winifred B.	Halifax.
Stephen, Harry Wilfred	Halifax.

## GENERAL STUDENTS.

Archibald, Olyphant Miller	Valley, Colchester Co.
Barnsted, Leana Geddes	Halifax.
Beebe, Langhlin	Bouvarderie, C. B.
Burgoyne, Dora L.	Halifax.
Burns, Winifred Gillies	Halifax.
Campbell, Aivis Henry	Millford.
Clark, Harold Marston	St. Stephen, N. B.
Conrod, Ralph	Halifax.
Crawford, James Andrew	Cardigan, P. E. I.
Creighton, Graham	Halifax.
Cropper, James Bennett	St. Lucia, W. I.
Davis, John	Carbonear, Nfld.
Denoon, Alexander Hugh	Westville.
Dickie, Gordon	Millford, Hants Co.
Dickison, Adams Scott	Kirkland Corner, N. B.
Faulkner, E. Ross	Folly Village.
Fisher, Arthur Franklin	Lower Sackville.
Forrest, Bella	Halifax.
Furnst, Mary	Halifax.
Gleedinning, Jean	Halifax.
Gordon, G. S.	Halifax.
Gunn, Alexander Donald	East River, St. Mary's.
Hattie, Robert McConnell	Dartmouth.
Hawkins, Ella Maud Simpson	Halifax.
Hobbrecker, Leticia Adele	Halifax.
Irvine, Thomas	Mill Branch, Kent Co.
Jebb, Frank Leslie	Great Village, Col. Co.
Keddy, Douglas Ross	Mahone Bay.
Keele, Edwin Fitzgerald	Halifax.
Kirk, Joseph Howe	Aspen, Guysboro Co.
Lawson, Peter F.	Waterville.
Liechl, Bertha	Halifax.
Lodge, A. E.	Halifax.
Lodge, John Herbert	Halifax.
Loyal, Jean H.	Halifax.
Macdonald, Archibald J.	St. Peter's.
MacKay, Alexander	Balmoral, Pictou.
Maclean, Langhlin A.	Manby Hope.
McLellan, Leander Blair	Noel Shore.
McLeod, Linnie	Dunstaffnage, P. E. I.
McNair, William Wallace	Buctoncha, Kent Co.
McOram, Donald	Mira, C. B.
MacTavish, Neil Duncan	Caribou, Pictou Co.
Maxwell, Ruth Ellen	Halifax.
Mogher, John Augustin	Halifax.
Mitchell, G. F.	Halifax.
Mooly, Margaret	Halifax.

Morrison, John Scrogie Metzler .....	St. Peter's, C. B.
Moseley, Mary Isabel .....	Halifax.
Murray, John Cary .....	Halifax.
Murray, Robert Pollock .....	Malton, C. B.
Nissen, Julius Marcellus .....	Halifax.
Parker, Lewis Westworth .....	Canning, Kings Co.
Rand, Annie M. ....	Cubaan.
Robinson, William Reid .....	Newcastle.
Ross, Arthur .....	Ferrona, Pictou.
Ross, David C. ....	Pictou.
Ruggles, Robt S. ....	Halifax.
Scuders, Grace Hart .....	Halifax.
Slyter, James Mearow .....	Halifax.
Smith, Alexander .....	Antigonish.
Thompson, Margaret .....	Antigonish.
Wancker, James .....	Bonnes-mefe, P. Q.
Wier, Amelia .....	Rockingham.
Young, Milton Robert .....	Millerville, Pictou Co.

### FACULTY OF PURE AND APPLIED SCIENCE.

#### GRADUATE STUDENT.

Murray, Lucy Christie, B. A. ....	Halifax.
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#### UNDERGRADUATES.

##### FOURTH YEAR.

McKittrick, Frederick James Alexander .....	Kennville.
---	------------

##### THIRD YEAR.

Forrest, William Duff .....	Halifax.
Lange, Kristian C. A. ....	Halifax.

##### SECOND YEAR.

Macdonald, William Angus .....	Halifax.
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##### FIRST YEAR.

Chamberlain, William .....	Halifax.
----------------------------	----------

#### GENERAL STUDENTS.

Archibald, Elbet Henry .....	Hazleton, Col. Co.
Bair, Alexander David .....	Loch Broom.
Barton, Frederick M. ....	Halifax.
Crockett, Albert Edwin .....	Hopewell, Pictou Co.
Locke, Thomas J. ....	Halifax.
Mages, Rena May .....	Church Street, Kings Co.
Murphy, John .....	Halifax.
Pickering, William John .....	Halifax.
Russell, Harold A. ....	Dartmouth.
Waddell, William Henry .....	Halifax.

#### EVENING CLASS IN ELEMENTARY MATHEMATICS.

Archibald, E. ....	Halifax.
Oliver, William G. ....	Halifax.
Watt, George G. ....	Halifax.

### FACULTY OF LAW.

#### UNDERGRADUATES.

##### THIRD YEAR.

Borden, Henry Clifford .....	Canning.
Burns, Clement Bancroft, B. A. ....	Halifax.
Copp, Arthur B. ....	Joliette.
Crowe, Robert William, B. A. ....	Halifax.
Graham, Robert Henry, B. A. ....	New Glasgow.
Hewson, Edgar Ellis, B. A. ....	Oxford.
Hill, William Arthur Gessner .....	Sydney.
Irring, Robert Archibald .....	Buctouche.
McDonald, Alvin Fraser, B. A. ....	Hopewell.
Payzant, William Lewis, B. A. ....	Halifax.
Robertson, Struan Gordon, B. A. ....	New Glasgow.

##### SECOND YEAR.

Barnsted, Arthur Stanley, B. A. ....	Halifax.
Crosby, Leeman Brooks, B. A. ....	Helton.
Fishyow, Duncan, B. A. ....	Grand River.
Fraser, Thomas Munro .....	Hopewell.
Fullerton, Charles Percy .....	Amherst.
Gerriss, Edward Levin, B. A. ....	Big Treadie.
Gillis, Roderick Malcolm, B. A. ....	Pictou.
Grant, David Kenzie, M. A. ....	Riverton.
Koeder, Ralph Topper, B. A. ....	Bridgewater.
King, Harry Wyeth DeWolfe .....	Windsor.
Lovert, Laurence Arthur .....	Kentville.
Malbreith, Robert .....	Halifax.
McLean, Charles Archibald, B. A. ....	Englishtown.
Outhit, James Francis .....	Melvern Square, An. Co.
Ross, George William .....	Sherbrooke.
Shaw, George Smith .....	St. John.
Trenshaw, Charles Frederick .....	Halifax.

##### FIRST YEAR.

Hood, John .....	Shellburne.
Isman, George Strong .....	Charlottetown.
Loggie, William James .....	Chatham, N. B.
McKay, Robert Sims .....	Plymouth.
Mosely, Edgar .....	Sydney.
McVicar, Ronald .....	Cow Bay.

Ross, Hugh .....	Cow Bay.
Scott, Frank B., B. A. ....	Athol.
Snyder, William Harry .....	Berwick.
Ternan, Gerald C. B. ....	Halifax.
Wood, John E., B. A. ....	Halifax.

## GENERAL STUDENTS.

Aitken, Robert L. Davison .....	Newcastle, N. B.
Baker, Carleton John .....	Halifax.
Rigolow, Harry Veeder .....	Truro.
Grant, Milton Daniel .....	Berwick.
Macrae, George Farquhar .....	Baddeck.
McLeod, Crofton Uniacke .....	St. Brookfield.
Murray, Robert Harper .....	Halifax.
Vickers, James Harris .....	Oxford.
Woodman, Ernest Seymour .....	Halifax.
William, Henry Sylvester .....	Trinidad, W. I.

## FACULTY OF MEDICINE.

## UNDERGRADUATES.

## FOURTH YEAR.

Cogswell, William Forlong .....	Port Williams, Kings Co.
Duchman, Andrew Arthur .....	Sherbrooke, Guysboro Co.
Hamilton, Annie Isabel .....	Halifax.

## THIRD YEAR.

Farrell, Edward Dominick .....	Halifax.
McDonald, John Clyde .....	Riverside Corner, Hants Co.
McKay, Katherine Joanne .....	Plainfield, Pictou Co.
Moore, Ernest Fraser, B.A. (Mt. All.) .....	Halifax.
Murray, George William .....	Halifax.
O'Brien, Robert Faulkner, B.Sc. (Dal.) .....	Noel, Hants.

## SECOND YEAR.

Daly, James .....	Montague West, P. E. I.
McDonald, William Henry .....	Truro.
McEwen, Henry Emanuel .....	St. Peter's Bay, P. E. I.
McKay, William Alexander .....	New Glasgow.
Minard, Ralph Waldo .....	Berwick, Queens Co.
Murray, Duncan .....	Mendonville, Pictou Co.
Odlag, Clara Mary .....	Woodburn, Pictou.
Steenwhite, Stephen .....	Concessall Bank, Lun. Co.
Smith, Fred Forbes .....	St. Brookfield, Queens Co.
Williamson, Samuel W. ....	Lagaville, Pictou Co.

## FIRST YEAR.

Bentley, Robie Dagwell, B. A. (Acad.) .....	Halifax.
Best, Herbert Housie .....	Grafton, Kings Co.
Bisset, Ernest Eugene .....	River Bourgeois, C. B.
Dorman, Oscar Chapman .....	Bantjeost.
Foran, Gilbert Duff .....	Halifax.
Foster, Gilbert Lafayette .....	N. Kingston, Kings Co.
Fraser, Alexander, B. A. (Dal.) .....	West River Sta., Pictou.
Gates, Charles Randall .....	Digby.
Gordon, George Sinclair .....	Halifax.
Grimson, Robert, B. A. (Dal.) .....	Halifax.
Harding, Ernest Stanley, B. A. (Acad.) .....	Amherst.
Harve, Frodriek Charles, B. A. (Acad.) .....	Wolfville.
Hennison, Jas. Albert Moran, B. A. (Acad.) .....	Dartmouth.
Jost, Arthur Cranwick, B. A. (Acad.) .....	Guyabero'.
Lacy, John William .....	Langherton, Lincoln, Eng.
Lang, Kristin Christof Andrew .....	Halifax.
McDonald, Blanche .....	Hopewell, Pictou.
McKay, Donald McGeorge, B. A. (Dal.) .....	Lorne, Pictou.
McLae, William Ross .....	Baddeck.
Morphy, Angus McDonald .....	Woodville, Kings.
Payzant, Henry Allison .....	Dartmouth.
Ray, John James .....	New Glasgow.
Sutherland, George R. ....	River John, Pictou.

## GENERAL STUDENTS.

Blackie, Ernest Sherburne .....	Annapolis Royal.
Caulfield, George Beresford .....	Wolfville.
Craze, Albert James .....	Halifax.
McKinon, Hector Leonard .....	North Sydney.

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ERRATA.

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- Page 59, line 16,—for Physiology, read Physiology (including Embryology).  
" 59, line 20,—for \$12.00, read \$15.00.  
" 59, line 22,—delete " and Embryology."  
" 59, line 35,—for \$12.00, read \$15.00.
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APPENDIX.

EXAMINATION PAPERS, 1893-94.

FACULTY OF ARTS.

MATRICULATION.

LATIN.

Examiner.....JOHN JOHNSON, M. A.

TIME: THREE HOURS.

*N. B.—Candidates for Ordinary Matriculation will take Part I or Part II, together with Part V. Candidates for Distinction and Scholarships will take Parts I, II, III, IV.*

CÆSAR: GALLIC WAR, BOOKS V AND VI. VIRGIL: ÆNEID, BOOK III.

I.

A.—Translate: (a) His rebus permotus Quintus Titurius, cum procul Amborigenæ castris cohortantem conspexisset, interpretem suum, Cœcum Pompeium, ad eum mittit, rogatum, ut alid militibusque parcat. Ille appellatus respondit: "si velit secum colloqui, licere; sperare a multitudine impetrari posse, quod ad militum salutem pertinet; ipse vero nihil nocitum iri, inque eas res se suam fidem interponere."

(b).—Reverens ille, eventus belli non ignorans, utram, quod cohortes ex statione et præsidio essent emissæ, questus, ne minimo quidem casu locus relicti delinisset, multum fortaniam in repetendis hostium adventu potuisse indicari; multo etiam amplius, quod pœne ab ipso vally peritque castrorum barbaros avertisset.

1.—To whom do "sua," "sibi," "secum," "ipse," refer?

2.—Analyse "ipse vero nihil nocitum iri." Supply the words understood in the sentence "multo etiam amplius, quod... avertisset."

3.—Parse fully "rogatum," "velit," "eventus," "questus," "omnes," "castrorum."

4.—What does Caesar say about the Druids? What geographical mistake does he make in describing Britannia?

II.

B.—Translate:

(a) *Fare ago—namque curam curam mihi prospera dixit  
Religio, et curati assenserunt munus divi  
Italiam petere et terras temptare repositas:  
Sola nocum distinguit nodas Harpyia Calesio  
Prodigiosa comae et tristis denotabat iram,  
Obsecransque fessum—que prius praesentia vito:*

(b) *Sensit, et ad auscultum vocis vestigia torsit;  
Verum uli nulla datur dextra adflictae potestas,  
Nec petis Ionios factus sequare sequendo,  
Clamorem immensum tollit quo postea et omnes  
Contremare unde penitusque exterrita tellus  
Italia, curvique innavigit Actus coverts.*

1.—Point out poetical words, force of words and syntax in those extracts, and give the prose equivalents.

2.—(a) Parse fully "dieta," "sensit," "torsit," "sequendo,"

(b) Decline in the singular "telus," "caverals."

3.—Scan the first two lines of extract B a.

4.—What is the Latin sense of this poem? When was it written? Who tells the tale of Aeneas' wanderings, as described in this Book, and when is it told? Some lines are not complete, why? Narrate the circumstances of Virgil's death.

III.

C.—Translate this extract taken from a work not prescribed:—

Caesar, cum septuaginta legionem, quae juxta considerat, itam urgeret ab hoste videret, irribens militum monuit ut passivum sine legione conjungerent, et conversi signa in hostes inferrent. Quo facto, cum aliis alii subsidium ferrent, neque timebant ne adversi ab hoste circumventur, adversa resistere et fortia pugnare possent, laterum militum legionum ducum, quae in morisimo agmine caeserit impedimentis ferant, proelio junctio, cursu incitato, in summo colle ab hostibus conspiciuntur.

IV.

1.—Give examples of adjectives used to express English adverbs or adverbial phrases.

2.—English nouns ending in *-ag* are translated by the *definitives* or different cases of the gerund according to the connection. Give examples.

3.—Show that *conno, persuasit, mudi, fac* are followed by different constructions according to meaning.

4.—Give examples of the construction of names of towns used to express the place "where," "whence," and "whither."

5.—Translate into Latin:

It cannot be denied, said he, that Caesar was a very great general. The following day Caesar set out with the greater part of his troops and marched with all possible speed to the enemies' country, with the

object of saving his camp which was besieged. He could not help thinking that they did not understand the extent of their danger. I should like some of you to tell me the year Caesar was born.

V.

1.—Decline in the sing.: "rebus," "militibus," and in the plural, "sibi," "praesidio," if Part I be taken; in the sing. "via," "sonitum," and in the plural "votis," "prodigiis," if Part II be taken.

2.—What is the Latin for "in the six hundredth and fifty-third year;" "4000 soldiers;" "MDCXXLIX"?

3.—Write the fut. indic. and imperf. subj., active and passive (if used) of scribo, audio, facio.

4.—What verbs govern the genitive? What adjectives govern the dative? What impersonal phrases are followed by *ut*?

5.—What is the Latin for: "A man of courage"; "the wise Socrates"; "Do not"; "without trouble"; "to Rome"; "till now."

6.—Translate into Latin:—

Caesar remained a few days in their territory. Many thousand Gauls were killed in this war. Who can say that he knows everything. I will not stop you from doing whatever you wish.

GREEK.

Examiner ..... JOHN JOHNSON, M. A.

XENOPHON: ANABASIS, BOOKS I, II, III.

THESE THREE BOOKS.

N. B.—Candidates for Ordinary Matriculation will take Part I. or II. or III., together with Part VI. Candidates for Distinction and Scholarship will take Parts II, III, IV, V.

I.

A. Translate this extract from Xen. Anab., Book I:

Ἦ ἀδελφοί Ἕλλητες, οἱς ἀπερίετοι ἀπορία βασιλέως οὐκ ἔστιν ἄρα, ἀλλὰ τοῖσιν ἀπορίαις καὶ κινήσεισιν πολλῶν βασιλέως ἴσως ἴσται, ἐπὶ ταύτῃ κινήσεισιν. Ὅμως οἱ ἑστέ ἀδελφοί ἴσως ἴσται τῆς ἀπορίας ἢ ἀπορίας καὶ ἔτιρ ἢ ἄρα ἴσως ἴσται ἀπορίαισιν. Ἐπὶ γὰρ ἴσται ἴσται τῆς ἀπορίας ἀπορίας ἴσται ἴσται ἴσται ἀπορίας καὶ ἔτιρ ἴσται ἀπορίας καὶ ἔτιρ ἴσται ἀπορίας. Ὅμως δὲ οἱ ἀδελφοί ἴσως ἴσται ἴσται ἀπορίας ἴσται ἴσται ἀπορίας. Ἐπὶ γὰρ ἴσται ἴσται ἴσται ἀπορίας καὶ ἔτιρ ἴσται ἀπορίας. Ὅμως δὲ οἱ ἀδελφοί ἴσως ἴσται ἴσται ἀπορίας καὶ ἔτιρ ἴσται ἀπορίας. Ὅμως δὲ οἱ ἀδελφοί ἴσως ἴσται ἴσται ἀπορίας καὶ ἔτιρ ἴσται ἀπορίας.

1. Ὅμως οἱ ἑστέ. What word is understood?
2. ἐπὶ ἴσται ἀπορίας. Explain the syntax.
3. Give the rules for the genitives in the extract.
4. Write the sing. cases of ἀπορία, κινήσεισιν, πολλῶν, and the plural cases of ἴσως, ἴσται, ἴσται.
5. Parse ἀπορία, κινήσεισιν, ἀδελφοί, ἴσται.





qu'on lui eut dit que le roi de Pologne et le roi de Danemark l'entendaient, il l'appret bien vite, et en eut assez pour le parler le reste de sa vie.

For Matriculation, translate passages I and II, writing questions 7 and 10. For Scholarships, translate II and III.

1. Parse and give principal parts of: *appret, parla, avait, édit*. Write down the *future of avoir*, and the *subject, present of être*.
2. *Qu'il parla . . . assez bien que . . .* Parse the words *qu'il* and *que*. *Que* may be used as a conjunction; give an example.
3. Write the mascul. of: *maternelle, boane, rigoureuse*; and the femin. of: *riolant, doux, tost*. How do you form the comparative of: *de bonne heure*?
4. *Il parla sa langue maternelle*. Write this sentence (1) in the plural; (2) in the negat. interrogat. form. Mention the plural of *sa*, and give its corresponding *possessional form*.
5. How do you account for: *de l'* and *for es* in the expressions: *de l'exercice*; *es refait assez*. Translate: In this city there are public gardens and fine houses.

## II.

B. On était déjà en 15 de novembre quand le czar apprit que le roi de Suède, ayant traversé la mer avec deux cents vaisseaux de transport, marchait pour secourir Narva. Les Suédois n'étaient que vingt mille; le czar n'avait que la supériorité du nombre. Lors donc de répéter ses ordres, il employa tout ce qu'il avait d'art pour l'accabler. Non content de quatre-vingt mille hommes, il se prépara à lui opposer encore une autre armée, et à l'arrêter à chaque pas. Il avait déjà mandé près de trente mille hommes, qui s'avancèrent de Pleskow à grandes journées. Il fit alors une démarche qui l'eût rendu méprisable, si un législateur qui a fait de si grandes choses pouvait l'être.

6. Can you explain the difference between: *quatre-vingt mille* and *quatre vingt mille*. Translate: two thousand; two miles; one thousand miles.
7. *Le czar n'avait que la supériorité . . .* What other term may be substituted for *et . . . que* having the same meaning. Turn into French: It is no longer warm. There is nothing new. I have never been in Europe.
8. There are two ways in which to express the *future form* of a sentence, the subject of which is a noun; prove this by taking for an example: *Le czar n'avait que la supériorité*.

9. What place do *objective pronouns* occupy in a French sentence? explain and translate for exam: I have mentioned (dit) it to him. Send (envoyez) them to them. Do not send them to them. Do you understand (comprenez) me?

10. The word *time and country* are differently expressed in the following sentences; translate: What time is it? Time passes (se passe) rapidly. He has been in London several times. *Nova Scotia* is a fine country. (*La Nouvelle Ecosse*); it is my native country. My friends are in the country, i.e., as opposed to town.

11. Translate: Charles XII was the most extraordinary man of his time. Peter the Great built the imperial city of Petersburg in a wild (barbare) spot. This is the best book I have ever read (lu). Here is a magnificent house, whose is it? Is it an English gentleman's? How old are you? I am twenty-one years old. To-day is the 10th Sept., 1853 (letters).

## III.

C. *Le roman d'un jeune homme pauvre*.—Nous demeurions à une demi-lieue de Grenoble; je pus donc suivre sa cours de droit sans quitter le logis paternel. Ma mère se faisait rendre compte jour par jour du progrès de mes études avec un intérêt si persévérant, si passionné, que j'en vins à me demander s'il n'y avait pas au fond de cette préoccupation extraordinaire quelque chose de plus qu'une fâcheuse manivelle; si, par hasard, la réputation et le déclin de mon père pour le côté positif et empirique de la vie n'avaient pas introduit dans notre fortune quelque secret désordre que la connaissance de droit et l'habileté des affaires devraient, suivant les espérances de ma mère, remettre à son fils de réparer. Je ne pus cependant m'arrêter à cette pensée; je me souvenais, à la vérité, d'avoir entendu mon père se plaindre amèrement des déboires que notre fortune avait subis à l'époque révolutionnaire, mais dès longtemps ses plaintes avaient cessé.

1. Parse and give principal parts of: *demeurons, faisait, devraient, arrivait*. Write down the third pers. sing. indicat. present of each of these verbs.
2. *Une demi-lieue*; put this sentence in the plural, and translate: We have been walking (marché) a mile and a half (lieue). The past part. of verbs conjugated with *avoir* may or may not agree. Explain, illustrating both cases.
3. Can you account for the infinitives: *suivre* and *démourer* (2nd and 3rd pers.). What focus does the Engl. *prose part.* accompany in a proposition, comme in French; translate: The orator, after having spoken, was warmly applauded (applaudi).
4. Write the *femin. of*: *paternel, positif, empirique*. Which adjs. are alike, both in gender, and the *femin.* Give the positive and the superlative of *plus*, and turn into French: This is the most interesting story I have heard.
5. Illustrate the difference between *qui* and *quel*: (1) as relative pronouns; (2) as interrogative pronouns. Write down the present infinitive, and the imperative of: *Je me souvenais* (or of any other reflexive verb).

## GERMAN.

Examiner . . . . . PROFESSOR LICHTY.

TIME: THREE HOURS.

A. Translate:—*Gastfreundschaft*.—Auch dieses Mal tauschte das Ansehen nicht. Ich wurde auf das Fremdenhute begehrt, in das Haus geführt, mit Speis' und Trank reichlich bewirthet und endlich in ein Bett gebracht, hoch wie ein Berg und geständig genug, um noch drei Andere, war' es nöthig gewesen, aufzunehmen. Da war es mir fürwahr, als wär' ich in die Zeit strüktirt, wo die Hanseater an der Seece saßen, und wenn ein Wanderer vorüberzog, oft weitläufig mit einander ihn unter die Dach einladen und an ihrem Herde bewirtheten, ohne auch nur zu fragen, wo er herkam, was er für Geschäfte treibe und wie lange er zu wilen gedlenke.

For Matriculation translate passage A; for Scholarships either passages A and B, or A and C.

1. Parse and give principal parts of: *übersteht, wurde, gebracht, war*. Write down the present and the imperf. indicative of *haben*.

2. Mention the *genitive sing.* and the *accus. plur.* (prefixed the def. art.) of: *Haus, Bett, Berg, Straße, Dach, Handwerker.*

3. Illustrate with short *exs.* the case or cases the following propositions govern: *aus, mit, in, für.*

4. *Das Ansehen.* Explain the difference between *das* (relat. pron.) and *das*, and translate: The book which we read. I know that he is here.

5. *Das kleine Kind hat eine hübsche Bluse.* Translate this sentence and write it in the plural.

6. *Nicht.* If an *s* be added to this word, how does it affect its character? Illustrate. Have you any sisters? No, sir, I have no sisters; translate this sentence and explain why no assumes different forms.

7. Decline: *ich, er, wir.*

8. Translate into German:—What is your name? Do you speak German? What are you writing? I am writing an English letter. London is the largest city in Europe. To-day is the 16th of Sept., 1893, (in letters).

## II.

9. Translate:—*Hauft, das tolle Herr.*—"Peter," sagte der Kleine sehr ernst, und blies den Nasen aus seiner Puffe weit hinaus: "Peter sag' mir nichts von diesem. Was haben sie davon, wenn sie hier ein paar Jahre der Schein nach glücklich und dann nachher desto unglücklicher sind? Da mußt dein Handwerk nicht versuchen; dein Vater und Großvater waren Ehrenleute und haben es auch getrieben, Peter Munk! Ich will nicht hoffen, dass es Liebe zum Müssiggang ist, was dich zu mir führt. Peter erschrak vor dem Ernst des Männchens und erwiderte: "Nein," sagte er, Müssiggang, weiss ich wohl, Herr Schatzkammer, Müssiggang ist aller Laster Anfang."

1. Parse the following words (if verbs, give principal parts): *steht, sie, waren, unglücklicher, sind, musst.* Write down the *pres.* and the *imperfect indic. of sind.*

2. *Das seine Puffe.* What case does *aus* govern? Certain propositions govern more than one case, write two short *exs.* in illustration, and mention why they require the one or the other case.

3. *Dass es Liebe zum Müssiggang ist.* Account for *was* and note down a few other forms of the same class. If you spell the word *dass* with one *s*, what parts of speech will it represent; give illustrations and parse *dass* and *das.* How do you account for the position of *ist.*

4. What is the position of the verb in a German sentence: (1) in a *principal clause*; (2) in a *subordinate clause*; illustrate each *exs.*

5. Decline (*sing.* and *plural*): *der Kleine*; also, *er, Sie, wir.* I have no German book; translate this sentence and show why no cannot be expressed by *nicht.*

## III.

3. Schüler: *Der Neffe als Oubli.*—*Frau von Mirville.*—Ah! Sind Sie es? Sehn Sie von Herzen willkommen! *Dorwig.*—Nun, das ist doch ein herzlicher Empfang! *Frau v. M.*—Das ist ja recht schön, dass Sie uns so überraschen! Sie schreiben, dass Sie eine lange Reise vorh. thun, von der Sie frühestens in einem Monat zurück sein könnten, und vier Tage darauf sind Sie hier. *Dorwig.*—Geschrieben hab' ich's und an wen? *Frau v. M.*—An unsern Tante! (Siehn des Champagne, der seinen Mantel ablegt.) Wo ist denn aber Herr von Lermontoff?

*Dorwig.*—Wer ist der Herr v. L.—? *Frau v. M.*—Ihr künftiger Schwiegervater. *Dorwig.*—Sage mir, für wen hältst du mich? *Frau v. M.*—Nun, doch wohl für meinen Oubli! *Dorwig.*—Ist's möglich? Meine Schwägerin erkennt mich nicht! *Frau v. M.*—Schwägerin? Sie mein Bruder? *Dorwig.*—Ich dein Bruder. *Frau v. M.*—Das kann nicht sein. Das ist nicht möglich. Mein Bruder ist bei seinem Regiment zu Straßburg.

1. *Sie schreiben.* . . . *verhüten.* Write down principal parts of *schreiben*; explain how *irregular* verbs are to be distinguished from regular verbs. Write down the *third pers. sing.* of the *imperf. indic.* of all the *irregular* verbs in passage III.

2. Decline (in the four cases *sing.* and *plur.*) *das lange Riese.* In what case is the *adject. uninflected*; select an *example* from the text.

3. *Frau v. M.*—Schwägerin? Sie mein Bruder? *Dorwig.*—Ich—dein Bruder. Complete these *elliptical* sentences.

4. *Von der Sie frühstens.* . . . *Parse frühstens* and give its derivation. Write the *comparative* and *superlative* of *gut* and *viel*. *Transl.*: This is the handsomest flower. That young lady sings most beautifully. Distinguish between *sie* and *sie.*

5. Translate:—September is a fine autumn-month. Next year I am going to Germany. Do you speak German? I do not speak German. How often do you write to your friends? I write them twice a week. Are you fond of it, i. e., love you music? I am very fond of it. Whose home is this? It is my father's. What day of the month is it to-day?

## MATHEMATICS.

Examiner ..... C. MACDONALD, M. A.

## GEOMETRY.

TIME: THREE HOURS.

(Candidates for Matriculation may omit the first four questions. Candidates for Distinction may omit the first four questions.)

1. If a parallelogram and a triangle be on the same base and between the same parallels, the former is in area double the latter.

2. Enumerate and prove the converse of the well-known *Prop. I.*, 47th.

3. If a straight line be divided into two equal and also into two unequal parts, the sum of the squares of the unequal parts is equal to twice the sum of the square of half the line and the square of the part between the points of section. (Prove geometrically.)

4. In a circle, the greater chord is nearer the centre than the less.

5. From a given circle cut off a segment containing an angle equal to a given angle.

6. Any number of equal parallelograms have a common diagonal; prove that the locus of their angular points, opposite this diagonal, are two straight lines.

7. If the three sides of a triangle are arithmetically given, you can at once determine whether the triangle is acute, right, or obtuse-angled. Show how, and mention the propositions employed by you.

8. Write the "algebraic proof," as it is sometimes called, of the proposition set in question 3.

9. There are two concentric circles. Any chord, EC, of the outer cuts the inner in D and D'; prove  $BD = CD'$ , and  $BD, DC$  constant.

10. Prove either, not both, of the following propositions:

(a) If the base and vertical angle of a triangle be given, the bisector of that angle passes through a fixed point, and the bisector of the exterior angle at the vertex through another fixed point.

(b) If a circle pass through the angular points of the triangle ABC, and the perpendiculars from A, B, and C intersect in O; then, if the triangles AOB, BOC, COA were turned round the sides of the triangle, as bases, till they were in the plane of ABC, (through two right-angles) the three vertices would be in the circumference of the circles.

### ARITHMETIC AND ALGEBRA.

(Candidates for Matriculation may omit questions 3, 11, 12. Candidates for Distinction may omit questions 1, 2, 4.)

1. What fraction is one hour, twenty minutes, of 70 years? the year being 365½ days. Give the answer in Vulgar and also in Decimal Fractions.

2. Reduce the fraction  $\frac{85}{29-639}$  to a Vulgar Fraction.

3. If, in working at a railway cutting, an Irish "navvy" is worth \$2.25 a day; and if two Irish navvies are worth as much as three French, and four French as much as five Italian, and two Italian as much as fifteen Indian coolies; what ought the daily wages of an Indian coolie to be, on the understanding that wages are proportionate to work?

4. Simplify the expression,

$$3a - \left( -\frac{1}{2}a - (3a - 3a - 2a) - a \right) - 6a + 5a.$$

5. Reduce to simplest factors the expression  $(x^2 - xy)^2 - (y^2 - xy)^2$  and resolve into factors, one of which is in the first degree, those— $a^3 - 329a$ , and  $a^3 + 329a$ .

6. Find the highest common divisor of  $x^3 - x^2 - 8x + 12$  and  $3x^2 - 2x - 8$ .

7. Show that, according to the theory of Indices, the square root of A is properly represented by  $A^{\frac{1}{2}}$ , and expand into its several terms

$$\left(x^{\frac{1}{2}} + y^{\frac{1}{2}}\right) \left(x^{\frac{1}{2}} - y^{\frac{1}{2}}\right) \left(x^{\frac{1}{2}} + y^{\frac{1}{2}}\right) \left(x^{\frac{1}{2}} - y^{\frac{1}{2}}\right).$$

8. Write, with rational denominators, the fractions equivalent to

$$\frac{\sqrt{3}}{7}, \frac{7 + \sqrt{5}}{10 - \sqrt{5}}, \frac{1}{a^2 - \sqrt{a^2 - 4}}.$$

9. Solve the simultaneous equations:

$$\frac{x+y}{z-y} = \frac{15}{8}, \quad \frac{9x-3y+44}{7} = 100.$$

10. Solve the equation,  $\frac{5}{x} - \frac{3x-1}{x^2} = \frac{1}{4}$ .

11. If from  $n$  times the square of any number  $(n+1)$  times the number be subtracted and 1 added to the remainder, the result is the product of two numbers whose difference is  $(n-1)$  times the first number. (To be done algebraically.)

12. Says A to B, "Give me five cents, and then I shall have as much money as you." Says B to A, "Give me ten cents, and mine will be treble yours." How many cents had each?

### ENGLISH.

Examiner.....\*PROFESSOR MACMECHAN.

Time: THREE HOURS.

1. Write a composition of three paragraphs on one of the following themes:

- The Impeachment of Hastings.
- The play within a play in *Ruined*.
- The Life of Gabriel Lelouches.

2. Put into simple prose the substance of the following lines:

The darkness brings no quiet here, the light  
No waking; ever on my blinded brain  
The flare of lights, the rush, the cry, the strain,  
The engine's scream, the hiss and thunder smite:  
I see the hurrying crowds, the clasp, the flight,  
Faces that touch, eyes that are dim with pain,  
I see the houses wheels turn, and the great train  
Move labouring out into the boundless night.

LAMBRAN—The Railway Station.

3. Analyse fully the preceding extract.

4. Correct or justify the following sentences, giving reasons:

- Of the nineteen tyrants who started up under the reign of Gallienus, there was not one who enjoyed a life of peace or a natural death.—*Gibbon*.
- Let neither partiality or prejudice appear, but let truth everywhere be sacred.—*Dryden*.
- And indeed in some cases we derive as much or more pleasure from that source than from the thing itself.—*Burke*.
- The sulphurous odor of his meditations permeates every of his ghostly districts.—*Fitzgerald*.
- "Quoth he, this gambol thou adviseest  
Is of all others the unwiseest."—*Shakespeare*.

## HISTORY AND GEOGRAPHY.

Examiner..... PRESIDENT FOREST.

Time: Three Hours.

## ENGLISH HISTORY.

- 1.—Give the leading events of British History during Roman Period, with dates.
- 2.—Give leading events of the reign of Henry II.
- 3.—Political, social and literary progress during the Plantagenet Period.
- 4.—“The extravagant expenditures of the king (Henry III) obliged him to resort to oppressive and illegal means of raising money.” What was the result?
- 5.—Give an account of the rebellion of Monmouth and what followed it.
- 6.—Give the leading events of the Peninsular War.
- 7.—Mr. Gladstone's administration, 1835-1874. Give account.

## CANADIAN HISTORY.

- 1.—After Columbus discovered America the Kings of England and France fitted out expeditions. Give brief account with result.
- 2.—Who was the Abbé de Louvois? Tell what you know of him.
- 3.—Give an account of Pontiac's conspiracy.
- 4.—Quebec Act of 1774. Describe its provisions and passage through Parliament.
- 5.—Give brief account of war of 1812.
- 6.—Who was Mr. Lyon McKenzie? Write short account.
- 7.—When and how was Feudal Tenure abolished in Lower Canada?

## GEOGRAPHY.

- 1.—In what zones are the following countries: Switzerland, Turkey, Corea, Japan, Patagonia, Algeria, Azeer?
- 2.—Give the coast waters of North America; the chief rivers of South America; the mountain ranges of Asia.
- 3.—Bound France, Turkey in Europe, China, India, Nebraska, Quebec, Cumberland Co., Kent Co., N. H.
- 4.—Locate Balfast, Delhi, Massowah, Antwerp, Port-of-Spain, Lockport, Bathurst, Sumner'side.
- 5.—What are chief exports of Russia, Cape Colony, Bessal, Ceylon, Prince Edward Island?
- 6.—Give approximately the latitude of Calcutta, Moscow, New Westminster, Havana, Gibraltar.
- 8.—Name the five largest cities in Europe, Asia, North America.

## INORGANIC CHEMISTRY.

Examiner..... PROFESSOR LAWSON.

Time: Three Hours.

1. “The relative weights according to which bodies combine are invariable for each combination.” Explain this law, and substantiate it by examples.
2. What is meant by the EQUIVALENT WEIGHT of an element or compound?
3. When two bodies combine in several proportions, the weight of one being considered as constant the several weights of the other will vary according to a simple ratio. Illustrate this law by examples.
4. When combination of gases takes place what is the ratio, (1) between the volumes of gases combining; and, (2) between the volume of the gaseous compound formed and the sum of the volumes of the composing gases.
5. What are the equivalent weights of H, Hg, Cl, Zn, O, Cu.
6. What is meant by the ATOMIC WEIGHT of a substance? Give the atomic weights of H, Hg, Cl, Zn, O, Cu.

TIME TABLE—FACULTY OF LAW.

<i>Hours.</i>	<i>Monday.</i>	<i>Tuesday.</i>	<i>Wednesday.</i>	<i>Thursday.</i>	<i>Friday.</i>
9 to 10	.....	Const. History.	.....	Const. History.	.....
10 to 11	Constitutional Law.	.....	.....	Constitutional Law.	International Law.
11 to 12	Shipping.	Conflict of Laws.	Sales. Crimes.	.....	Equity.
12 to 1	.....	.....	Contracts.	.....	Contracts.
4.30 to 5.30	Real Property.	.....	.....	Evidence.	Torts.
8 to 9	.....	.....	.....	.....	.....