

CALENDAR

AND

EXAMINATION PAPERS

OF

Dalhousie College and University,

HALIFAX, NOVA SCOTIA.

SESSION 1867-8.

HALIFAX:
PRINTED FOR THE UNIVERSITY,
BY JAMES BARNES.

1867.

37-1-1881

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Academic Year,

1867-8.

OCTOBER 1867.

1 Tu.	
2 W.	
3 Th.	
4 Fri.	
5 Sat.	
6 Su.	
7 Mo.	
8 Tu.	
9 W.	
10 Th.	
11 Fri.	
12 Sat.	
13 Su.	
14 Mo.	
15 Tu.	
16 W.	
17 Th.	
18 Fri.	Meeting of Governors.
19 Sat.	
20 Su.	
21 Mo.	
22 Tu.	
23 W.	Opening of Summer Session.
24 Th.	Matriculation Examination, Examination for Scholarships, Supplementary Examinations.
25 Fri.	
26 Sat.	
27 Su.	
28 Mo.	Matriculation and Registration take place. Lectures begin.
29 Tu.	
30 W.	
31 Th.	

DECEMBER 1867.

1 Su.	
2 Mo.	Meeting of Senate.
3 Tu.	
4 W.	
5 Th.	
6 Fri.	
7 Sat.	
8 Su.	
9 Mo.	
10 Tu.	
11 W.	
12 Th.	
13 Fri.	
14 Sat.	
15 Su.	
16 Mo.	
17 Tu.	
18 W.	
19 Th.	
20 Fri.	
21 Sat.	Christmas vacation begins.
22 Su.	
23 Mo.	
24 Tu.	
25 W.	Christmas day.
26 Th.	
27 Fri.	
28 Sat.	
29 Su.	
30 Mo.	
31 Tu.	Last day for sending in Essays for the <i>Grant</i> prize.

NOVEMBER 1867.

1 Fri.	
2 Sat.	
3 Su.	
4 Mo.	Meeting of Senate.
5 Tu.	
6 W.	Final Matriculation and Supplementary Examinations.
7 Th.	
8 Fri.	
9 Sat.	
10 Su.	College opened, 1863.
11 Mo.	
12 Tu.	
13 W.	
14 Th.	
15 Fri.	
16 Sat.	
17 Su.	
18 Mo.	
19 Tu.	
20 W.	
21 Th.	
22 Fri.	
23 Sat.	
24 Su.	
25 Mo.	
26 Tu.	
27 W.	
28 Th.	
29 Fri.	
30 Sat.	

JANUARY 1868.

1 W.	
2 Th.	Christmas Vacation ends.
3 Fri.	College re-opens.
4 Sat.	
5 Su.	
6 Mo.	Meeting of Senate.
7 Tu.	
8 W.	
9 Th.	
10 Fri.	
11 Sat.	
12 Su.	
13 Mo.	
14 Tu.	
15 W.	
16 Th.	College established, 1821.
17 Fri.	
18 Sat.	
19 Su.	
20 Mo.	
21 Tu.	
22 W.	
23 Th.	
24 Fri.	Meeting of Governors.
25 Sat.	
26 Su.	
27 Mo.	
28 Tu.	
29 W.	
30 Th.	
31 Fri.	

FEBRUARY 1868.

1	Sat.	
2	Su.	Meeting of Senate.
3	Mo.	
4	Tu.	
5	W.	
6	Th.	
7	Fri.	
8	Sat.	
9	Su.	
10	Mo.	
11	Tu.	
12	W.	
13	Th.	
14	Fri.	
15	Sat.	
16	Su.	
17	Mo.	
18	Tu.	
19	W.	
20	Th.	
21	Fri.	
22	Sat.	
23	Su.	
24	Mo.	
25	Tu.	
26	W.	
27	Th.	
28	Fri.	
29	Sat.	

APRIL 1868.

1	W.	
2	Th.	
3	Fri.	
4	Sat.	
5	Su.	
6	Mo.	Meeting of Senate.
7	Tu.	Lectures close. The Young prize awarded.
8	W.	Examination in Latin.
9	Fri.	Examination in Greek.
10	Fri.	Good Friday.
11	Sat.	
12	Su.	Easter Day.
13	Mo.	Examination in Mathematics.
14	Tu.	Examinations in Natural Philosophy and Rhetoric.
15	W.	Examination in Chemistry. Examination for Elocution Prize.
16	Th.	Examinations in Logic, Metaphysics, History, and French.
17	Fri.	Meeting of Governors. Examinations in Ethics and Political Economy, and German.
18	Sat.	
19	Su.	
20	Mo.	Examination for Prize in English Reading. Meeting of Senate.
21	Tu.	Results of Examinations declared.
22	W.	Meeting of Convocation. Winter Session Ends.
23	Th.	
24	Fri.	
25	Sat.	
26	Su.	
27	Mo.	Opening of Summer Session.
28	Tu.	
29	W.	Lectures begin. College re-organized 1863.
30	Th.	

MARCH 1868.

1	Su.	
2	Mo.	Meeting of Senate.
3	Tu.	
4	W.	
5	Th.	
6	Fri.	
7	Sat.	
8	Su.	
9	Mo.	
10	Tu.	
11	W.	
12	Th.	
13	Fri.	
14	Sat.	
15	Su.	
16	Mo.	
17	Tu.	
18	W.	
19	Th.	
20	Fri.	
21	Sat.	
22	Su.	
23	Mo.	
24	Tu.	
25	W.	
26	Th.	
27	Fri.	
28	Sat.	
29	Su.	
30	Mo.	
31	Tu.	

MAY 1868.

1	Fri.	
2	Sat.	
3	Su.	
4	Mo.	Meeting of Senate.
5	Tu.	
6	W.	
7	Th.	
8	Fri.	
9	Sat.	
10	Su.	
11	Mo.	
12	Tu.	
13	W.	
14	Th.	
15	Fri.	
16	Sat.	
17	Su.	
18	Mo.	
19	Tu.	
20	W.	
21	Th.	
22	Fri.	Foundation Stone of College laid in 1820.
23	Sat.	
24	Su.	Queen's Birthday.
25	Mo.	No Lectures.
26	Tu.	
27	W.	
28	Th.	
29	Fri.	
30	Sat.	
31	Su.	

JUNE 1868.

1 Mo.	Meeting of Senate.
2 Tu.	
3 W.	
4 Th.	
5 Fri.	
6 Sat.	
7 Su.	
8 Mo.	
9 Tu.	
10 W.	
11 Th.	
12 Fri.	
13 Sat.	
14 Su.	
15 Mo.	
16 Tu.	
17 W.	
18 Th.	
19 Fri.	Meeting of Governors. Lectures close.
20 Sat.	Accession of Queen Victoria.
21 Su.	Halifax settled year 1749.
22 Mo.	Examinations.
23 Tu.	Examinations continued.
24 W.	Summer Session ends.
25 Th.	
26 Fri.	
27 Sat.	
28 Su.	
29 Mo.	
30 Tu.	

AUGUST 1868.

1 Sat.	
2 Su.	
3 Mo.	
4 Tu.	
5 W.	
6 Th.	
7 Fri.	
8 Sat.	
9 Su.	
10 Mo.	
11 Tu.	
12 W.	
13 Th.	
14 Fri.	
15 Sat.	
16 Su.	
17 Mo.	
18 Tu.	
19 W.	
20 Th.	
21 Fri.	
22 Sat.	
23 Su.	
24 Mo.	
25 Tu.	
26 W.	
27 Th.	
28 Fri.	
29 Sat.	
30 Su.	
31 Mo.	

JULY 1868.

1 W.	
2 Th.	
3 Fri.	
4 Sat.	
5 Su.	
6 Mo.	
7 Tu.	
8 W.	
9 Th.	
10 Fri.	
11 Sat.	
12 Su.	
13 Mo.	
14 Tu.	
15 W.	
16 Th.	
17 Fri.	
18 Sat.	
19 Su.	
20 Mo.	
21 Tu.	
22 W.	
23 Th.	
24 Fri.	
25 Sat.	
26 Su.	
27 Mo.	
28 Tu.	
29 W.	
30 Th.	
31 Fri.	

SEPTEMBER 1868.

1 Tu.	
2 W.	
3 Th.	
4 Fri.	
5 Sat.	
6 Su.	
7 Mo.	
8 Tu.	
9 W.	
10 Th.	
11 Fri.	
12 Sat.	
13 Su.	
14 Mo.	
15 Tu.	
16 W.	
17 Th.	
18 Fri.	
19 Sat.	
20 Su.	
21 Mo.	
22 Tu.	
23 W.	
24 Th.	
25 Fri.	
26 Sat.	
27 Su.	
28 Mo.	
29 Tu.	
30 W.	

Dalhousie College and University, HALIFAX.

GOVERNORS.

HON. WILLIAM YOUNG, Chief Justice of Nova Scotia,
Chairman.
HON. CHARLES TUPPER, M. D., Provincial Secretary.
HON. J. W. RITCHIE, M. E. C., Solicitor General.
HON. S. L. SHANNON, M. P. P.
HON. JOSEPH HOWE.
REV. GEORGE M. GRANT, M. A.
JAMES F. AVERY, M. D.
ANDREW MACKINLAY, ESQ.
CHARLES ROBSON, ESQ.

JAMES THOMSON, ESQ., *Secretary and Treasurer.*

SENATE.

VERY REV. JAMES ROSS, D. D., *Principal.*
REV. WILLIAM LYALL, LL. D.
CHARLES MACDONALD, M. A., *Secretary.*
JOHN JOHNSON, M. A.
GEORGE LAWSON, Ph. D., LL. D.
JAMES DEMILL, M. A.

Ballou's College and University

HALLS.

GOVERNORS.

Hon. William Young, Chief Justice of Nova Scotia,
Chairman.
Hon. Charles Tupper, M. D., Provincial Secretary.
Hon. J. W. Ritchie, M. E. C., Solicitor General.
Hon. S. L. Shackleton, M. P. P.
Hon. Joseph Howe.
Rev. George M. Grant, M. A.
James F. Avery, M. D.
Andrew MacKinnon, Esq.
Charles Robson, Esq.

James Thomson, Esq., Secretary and Treasurer.

SENIORS.

Very Rev. James Ross, D. D., Principal.
Rev. William Hall, LL. D.
Charles Macdonald, M. A., Secretary.
John Johnson, M. A.
George Lawson, LL. D., LL. D.
James DeBell, M. A.

Faculty of Arts.

PROFESSORS.

VERY REV. PRINCIPAL ROSS, D. D.,
Professor of Ethics and Political Economy.

REV. WILLIAM LYALL, LL. D.,
Professor of Psychology and Metaphysics.

CHARLES MACDONALD, M. A.,
Professor of Mathematics.

JOHN JOHNSON, M. A.,
Professor of Classics.

GEORGE LAWSON, Ph. D., LL. D.,
Professor of Chemistry and Mineralogy.

JAMES DEMILL, M. A.,
Professor of History and Rhetoric.

TUTOR.

JAMES LIECHTI, ESQ.,
Tutor of Modern Languages.

MR. BOYD, *Keeper of the College Buildings.*

Faculty of Arts

Faculty of Arts

PROFESSORS

Very Rev. President Ross, D. D.

Professor of Natural and Political Economy

Rev. William James, LL.D.

Professor of Zoology and Botany

Charles Macdonald, M.A.

Professor of Mathematics

John Johnson, M.A.

Professor of Classics

George Taylor, LL.D.

Professor of Natural and Political Economy

James Dabney, M.A.

Professor of History and Political Economy

Tutor

James Johnson, Esq.

Professor of Natural and Political Economy

Mr. Boyd, Esq. of the College Buildings

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Faculty of Arts.

§ I.—SESSIONS.

In each Academic Year there are two Sessions:—the first, a Winter Session, and the second a Summer Session.

The Winter Session for 1867–68 will commence on Wednesday, October 23rd, 1867, and end on Wednesday, April 22nd, 1868.

The Summer Session will commence on Monday, April 27th, 1868, and end on Wednesday, June 24th, 1868.

§ II.—ADMISSION OF STUDENTS.

Applicants for admission will present themselves at the College on the opening day of the Winter Session, at 3 P.M.

Students may enter either,

1st, as *Undergraduates*, with the intention of applying for the Degree of B.A. at the end of the course; or,

2nd, as *General Students*.

Students entering as Undergraduates of the First Year are required to pass the Matriculation Examination at the opening of the Winter Session, and to take the classes prescribed for the four years' course.

Students may also enter as Undergraduates of the Second Year, and take the three years' course by complying with the conditions specified under Section 4.

General Students are not required to pass any preliminary examination, and may attend any classes they choose.

No person can be admitted as an Undergraduate after ten days from the opening of the Session, without the special permission of the Senate. General Students will be admitted at any time during the Session.

Undergraduates from other Universities will be admitted to similar standing in this University, on producing satisfactory certificates, if on examination they be found qualified to enter the corresponding classes.

§ III.—MATRICULATION EXAMINATION.

FOR THE FIRST YEAR.

The subjects of examination for entrance into the First Year, are :—

I. In Classics.

Latin Grammar, Greek Grammar, one easy Latin, and one easy Greek Author.

The following Authors are recommended :

Latin.

Cæsar, one book ; Virgil, one book ; Cicero, two Orations ; Horace, one book of Odes.

Greek.

Xenophon, one book ; Homer, one book ; Lucian's Select Dialogues ; New Testament, one Gospel.

II. In Mathematics.

Arithmetic ; Euclid's Elements, Book I.

III. In English.

Grammar ; History ; Geography ; Composition.

FOR THE SECOND YEAR.

In order to enter as an Undergraduate of the Second Year, a Student must pass an examination,—

1. In the *Classics* of the first year as specified in Section 11, or their equivalents.
2. In the *Mathematics* of the first year as specified in Section 11, or their equivalents.
3. In *English Grammar, English History, Geography and Composition.*

§ IV.—COURSE OF STUDY.

The Undergraduate course extends over either,

1. Four Winter Sessions, or,
2. The Winter and Summer Sessions of two Academic years, and an additional Winter Session.

In order to enter upon the latter course, Students must be able to pass the Entrance Examination of the second year, and must take the classes prescribed by the Senate in the Summer Session.

I. WINTER SESSION.

FIRST YEAR.

Classics, Mathematics and Rhetoric.

SECOND YEAR.

Classics, Mathematics, Chemistry, Logic and Psychology.

THIRD YEAR.

Classics, Metaphysics, Modern Languages, Natural Philosophy, Chemistry. Mathematics and Practical Chemistry *optional*.

FOURTH YEAR.

Ethics, Political Economy, History, Modern Languages, Natural Philosophy (Experimental Physics), and Classics or Mathematics.

In Modern Languages Undergraduates may select either French or German as part of their course, but they must take the same language in both years.

II. SUMMER SESSION.

Classes will be opened for instruction in the following subjects:

Classics.
 Mathematics.
 Logic.
 Optics.
 Mineralogy.
 English Literature.
 Modern Languages.

§ V.—FEES.

The Fee to each Professor, whose class or classes a Student enters, is *six dollars* for the Winter Session; and *four dollars* for the Summer Session; or *eight dollars* for both. Any Undergraduate who has paid fees twice, either to the Professor of Classics or to the Professor of Mathematics, may attend the classes of such Professor during the remainder of his Undergraduate course without paying an additional fee.

General Students pay a fee for every class they attend. (This rule does not apply to those General Students who entered previous to the Winter Session of 1866-67.)

Experimental Chemistry is an optional class, the fee for which is *six dollars*.

In addition to Class Fees, there is a Matriculation Fee of *two dollars*, payable by Undergraduates. General Students pay an annual Registration Fee of *one dollar*.

Matriculation or Registration tickets and Class tickets must be taken out on the first day of Lectures, as no Student is allowed to enter a Class without them.

The fees of Undergraduates who take the complete course in this University are as follows:

Classes of First Year, and Matriculation	\$20
“ Second “	24
“ Third “	12
“ Fourth “	6

§ VI.—GRADUATION IN ARTS.

DEGREE OF B. A.

The Degree of B. A. may be obtained by attending the prescribed courses of Lectures, extending over four Winter Sessions, or three Winter and two Summer Sessions, and by passing the following examinations, the Candidate maintaining throughout the period a good moral character:—

IN THE FOUR YEARS' COURSE.

1. Matriculation Examination at entrance.
2. Examination at the close of the first session, in Classics, Mathematics and Rhetoric.
3. Examination at the close of the second session, in Classics, Mathematics, Logic and Psychology, and Chemistry.
4. Examination at the close of the third session, in Classics, Natural Philosophy, Modern Languages, Metaphysics and Chemistry.
5. Final Examination for Degree, at the close of the fourth session, or subsequently in Modern Languages, Ethics, Political Economy, History, Natural Philosophy, and either Classics or Mathematics, at the option of the Candidate.

IN THE THREE YEARS' COURSE.

The Examinations specified above, except No. 2., and the Examinations at the close of each Summer Session in the subjects of the Session.

In no case shall a Student be entitled to a Degree who has not passed in every subject of the course.

The Fee for Diploma is *five dollars*, payable before the Final Examination.

DEGREE OF M. A.

Bachelors of Arts of at least three years' standing, maintaining meanwhile a good reputation, shall be entitled to the Degree of M. A., on producing an approved Thesis on a literary, scientific, or professional subject.

Fee for Diploma *five Dollars*.

§ VII.—REGULATIONS FOR EXAMINATIONS.

1. If an Undergraduate absent himself from any University Examination, except for such cause as may be held good by the Senate, he will lose his year.

2. If an Undergraduate fail to pass in any Examination, he will be allowed a Supplementary Examination on the first Friday of the following Winter Session, on giving notice to the Secretary of the Senate.

3. Failure in more than two subjects will involve the loss of the year. N. B.—In the application of this rule, Classics and Mathematics will *each* be reckoned as two subjects.

4. In all cases where a Student presents himself for Supplementary Examination, except on the day mentioned in Rule 2nd, he will be required to pay a fine of *two dollars*.

5. Students are forbidden to bring any books or manuscripts into the Examination Hall, unless by the direction of the Examiner, or to give or receive assistance at the Examinations. If a student violate this rule, he will lose his Sessional Examination, and it shall be at the discretion of the Senate whether he be allowed a Supplementary Examination.

6. Students who pass the Examination in the several subjects of their respective years, are arranged in three classes, according to the merit of their answers in these subjects.

7. A position in the First or Second Class will be considered honorable.

§ VIII.—SCHOLARSHIPS.

1. HALIFAX SCHOOLS.

A Scholarship entitling to free attendance on all the classes of the Undergraduate course, as long as the holder of it obtain a Certificate of Merit at the Sessional Examinations, is offered by the Professors for competition this year to the Pupils from the Halifax Schools;—the competition to take place at the Matriculation Examination.

Candidates must intimate to the Secretary of the Senate their intention of competing, on the opening day of the Session.

2. PRINCE OF WALES COLLEGE, CHARLOTTETOWN, P. E. I.

A Scholarship of equal value, and to be held under the same conditions, is offered this year for competition to Pupils attending the Prince of Wales College; the award to be made after examination by the Principal of that College.

3. NEW GLASGOW ACADEMY.

A Scholarship of equal value, and to be held under the same conditions, is offered this year for competition to Pupils attending the New Glasgow Academy; the award to be made after examination by the Principal of that Academy.

These Scholarships can be competed for only by Pupils who have attended the schools from which they come, for a period of not less than one year previous to the competition. Candidates from the Halifax Schools must bring certificates of attendance from the Principals of their Schools.

4. OPEN SCHOLARSHIP.

A vacant Scholarship of equal value, and to be held under

the same conditions, is offered this year for competition to Undergraduates entering the first year.

In all cases successful competitors must be able to pass creditably the Matriculation Examination of the College.

Should the Principal of an Academy to which a Scholarship has been assigned decline to examine, an examiner will be appointed by the Senate of Dalhousie College.

It is intended to offer Scholarships for competition next year to the pupils of the

HALIFAX SCHOOLS.
 PICTOU ACADEMY.
 LIVERPOOL ACADEMY.

§ IX.—PRIZES AND CERTIFICATES OF MERIT.

I. PRIZES.

1. UNIVERSITY PRIZES.

Prizes will be awarded to those Undergraduates who occupy the first place in the Sessional Examination in any of the following subjects, provided they stand in the First or Second Class, and pass in the other subjects of the year.

1. Classics.
2. Mathematics.
3. Ethics and Political Economy.
4. Logic and Psychology.
5. Metaphysics.
6. Chemistry.
7. Natural Philosophy.
8. History.
9. Rhetoric.
10. Modern Languages.

2. THE GRANT PRIZE.

A Prize of \$20 is offered by the Rev. G. M. GRANT, M.A., for the best Essay on the following subject:

The Origin and Progress of the English Language.

Competition is open to all Students of the years 1866-7 and 1867-8.

The Essays are to be sent in before the first of January 1868, each signed with a motto, and accompanied by a sealed envelope containing the name of the writer.

3. THE YOUNG PRIZE.

The following Prizes are offered by the HON. THE CHIEF JUSTICE of Nova Scotia:

1st Prize \$25—To the most eminent Student of the Third and Fourth Years, to be awarded by the votes of the Students of those years.

2nd Prize \$15.—To the most eminent Student of the First and Second Years, to be awarded by the votes of the Students of those years.

4. The following Prizes are offered this year by the REV. DAVID ROY, New Glasgow :

1. A Prize of £3 for English Reading, open to all Students.
2. A Prize of £2 for Elocution, open to Students of the Rhetoric Class.

CERTIFICATES OF MERIT.

Certificates of Merit of the First and Second Rank will be given to the Students who have obtained a first or second class standing in the aggregate of the branches of study proper to their year. N. B.—In the application of this rule *two* Modern Languages will be reckoned as one subject.

In publishing the names of the Students of the First and Second years who obtain Prizes and Certificates of Merit, mention will be made of the Schools in which they received their preliminary education.

§ X.—ATTENDANCE AND CONDUCT.

1. All Undergraduates and General Students attending more classes than one, are required to provide themselves with caps and gowns, and wear them in going to and from the College. Gowns are to be worn at Lectures, and at all meetings of the University.

2. Attendance upon all the classes of the year, except those which shall be announced as optional, shall be imperative on all Undergraduates.

3. A Class Book will be kept by each Professor, in which the presence or absence of Students will be carefully noted.

4. Professors will mark the presence or absence of Students immediately before commencing the exercises of the class, and will note as absent those who enter thereafter, unless satisfactory reasons be assigned.

5. Absence or tardiness without sufficient excuse, and inattention or disorder in the Class Room, if persisted in after due admonition by the Professor, or the discipline proper to the class, will be reported to the Senate.

6. The amount of absence or tardiness which shall disqualify for the keeping of a Session will be determined by the Senate.

7. Injuries to the Building or Furniture will be repaired at the expense of the party by whom they have been caused, and such other penalty will be imposed as the Senate may think proper.

8. While in the College, and going to it or from it, Students must conduct themselves in an orderly manner. Any Professor

observing any improper conduct in a Student will admonish him, and if necessary report to the Principal.

9. When Students are brought before the Senate and convicted of a violation of any of these rules, the Senate may reprimand privately or in the presence of all the Students, or report to the parents or guardians, or disqualify for competing for Prizes or Certificates of Merit, or report to the Governors for suspension or expulsion.

10. Students not residing with parents or guardians must report to the Principal their places of residence within one week after their entering College, and the Principal may disallow such residence if he see good cause. Any change of residence must also be reported.

11. It is expected that every Student will attend divine service on Sunday.

§ X-ATTENDANCE AND CONDUCT

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3. A Class Book will be kept by each Professor, in which the presence or absence of Students will be carefully noted.
4. Professors will mark the presence or absence of Students immediately before commencing the exercises of the class, and will note as absent those who enter thereafter, unless satisfactory reasons be assigned.
5. Absence or tardiness without sufficient excuse, and inattention or disorder in the Class Room, if persisted in after due admonition by the Professor, or the discipline proper to the class, will be reported to the Senate.
6. The amount of absence or tardiness which shall disqualify for the keeping of a Session will be determined by the Senate.
7. Injuries to the Building or Furniture will be repaired at the expense of the party by whom they have been caused, and such other penalty will be imposed as the Senate may think proper.
8. While in the College, and going to it or from it, Students must conduct themselves in an orderly manner. Any Professor

§ XI.—COURSE OF STUDIES. WINTER SESSION.

CLASSICS.

Professor....JOHN JOHNSON, M.A.

LATIN.—(*First Year.*)—Cicero, *Orations against Cataline, I. IV.*—Virgil, *Æneid, Book VII.*—Prose Composition.

GREEK.—(*First Year.*)—Xenophon, *Anabasis, Book VI.*—Demosthenes, *Olynthiac I.*—History of Greece, (Smith's).

LATIN.—(*Second Year.*)—Livy, *Book XXII.*—Horace, *Select Satires and Epistles.*—Prose Composition.

GREEK.—(*Second Year.*)—Herodotus, *Book I.*—Homer, *Book IX.*—Prose Composition.—History of Greece.

LATIN.—(*Third Year.*)—Terence, *Adelphi.*—Plautus, *Miles Gloriosus.*—Horace, *Ars Poetica.*—Prose Composition.

GREEK.—(*Third Year.*)—Euripides, *Medea.*—Æschylus, *Prometheus Vincetus.*—Prose Composition.

LATIN.—(*Fourth Year.*)—Tacitus, *Agricola.*—Juvenal, *Satires III. X.*—Prose Composition.

GREEK.—(*Fourth Year.*)—Demosthenes, *Second Philippic.*—Plato, *Apologia Socratis.*—Comparative Philology.—Prose Composition.

ADDITIONAL FOR PRIZE. (*Fourth Year.*)

LATIN.—Tacitus, *Germania.*—Juvenal, *Sat. I. XIII.*

GREEK.—Demosthenes, *First Philippic.*—Plato, *Crito.*

MATHEMATICS.

Professor....CHARLES MACDONALD, M. A.

ALGEBRA.—(*First Year.*)—To the end of Progressions.

GEOMETRY.—(*First Year.*)—Six books of Euclid with deductions.

TRIGONOMETRY.—(*First Year.*)—Solution of Plane Triangles.

ALGEBRA.—(*Second Year.*)—Binomial Theorem, Investigation of Logarithms, Probabilities, Life Annuities, Properties of Numbers.

GEOMETRY.—(*Second Year.*)—Eleventh Book of Euclid, 21 Propositions.

TRIGONOMETRY.—(*Second Year.*)—Analytical Plane Trigonometry. (*Third Year.*)—(Optional.)—Spherical Trigonometry, with application to Astronomy. DeMoivre's Theorem and Angular Analysis. Conic Sections. Differential Calculus begun.

(*Fourth Year.*)—(Optional.)—Conic Sections; Differential Calculus; Integral Calculus, with application to Mechanics.

BOOKS RECOMMENDED.

* Young's Elementary course of Mathematics. Cassell's or Potts' Euclid.

Todhunter's, Colenso's, or Woods' Algebra.

Todhunter's, Colenso's, Snowball's, or Hymers' Trigonometry.

Todhunter's, Hymers', O'Brien's Conic Sections.

Todhunter's, Hall's, or Hind's Differential and Integral Calculus.

Galbraith and Haughton's Mechanics; Earnshaw's Statics and Dynamics, Potter's Mechanics. Galbraith and Haughton's, Webster's, or Miller's Hydrostatics.

† The Books in Weale's Series on Trigonometry and Conic Sections.†

* Suffices for the course, except Geometry.

† For Students of the First Year, the Mathematical Books used in the Schools are for the most part sufficient.

The Books in Weale's Series are mentioned, principally for their cheapness.

ETHICS AND POLITICAL ECONOMY.

Professor.....VERY REV. PRINCIPAL ROSS, D. D.

ETHICS.—(*Fourth Year.*)—*Text Books.* Stewart's Active and Moral Powers of Man.—Whewell's Elements of Morality.

POLITICAL ECONOMY.—(*Fourth Year.*)—*Text Books.* Mill's Political Economy.—Wayland's Political Economy.

LOGIC, METAPHYSICS AND ESTHETICS.

Professor....REV. WILLIAM LYALL, LL.D.

LOGIC AND PSYCHOLOGY.—(*Second Year.*)—*Text Books.* Sir William Hamilton's Lectures on Logic.—Prof. Lyall's "Intellect, the Emotions, and the Moral Nature."

METAPHYSICS AND ESTHETICS.—(*Third Year.*)—*Text Books.* Sir William Hamilton's Lectures on Metaphysics.—Mansel's Metaphysics.—Lewes' Biographical History of Philosophy.—Cousin on the Beautiful.—Alison's Essay on the Nature and Principles of Taste.

CHEMISTRY.

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

JUNIOR CHEMISTRY.—(*Second Year.*)—*Text Book.* Chamber's Chemistry by Macadam.

SENIOR CHEMISTRY.—(*Third Year.*)—*Text Book.* Fownes' Chemistry, (or Gregory's).

PRACTICAL CHEMISTRY.—(*Third Year.*)—*Laboratory Books.* Fresenius's Qualitative and Quantitative Analysis.—Bowman's Medical Chemistry.

NATURAL PHILOSOPHY.

EXPERIMENTAL PHYSICS.

Professor....VERY REV. PRINCIPAL ROSS, D. D.

(*Third Year.*)—*Text Book.* Lardner's Handbook.

(*Fourth Year.*)—*Text Book.* Lardner's Handbook.

MATHEMATICAL PHYSICS.

Professor..CHARLES MACDONALD, M. A.

(*Third Year.*)—*Text Books.* Galbraith and Haughton's Mechanics. Galbraith and Haughton's Hydrostatics.

HISTORY AND RHETORIC.

Professor.....JAMES DEMILL, M. A.

RHETORIC.—(*First Year.*)—*Text Books.* Whately's Elements of Rhetoric. Campbell's Philosophy of Rhetoric. Latham's Handbook of the English Language. Angus' English Language.

HISTORY.—(*Fourth Year.*)—*Text Books.* Gibbon's Decline and Fall of the Roman Empire. Hume's History of England. History of France. Hallam's Middle Ages. Sismondi's Italian Republics. Taylor's Manual of Modern History.

BOOKS RECOMMENDED.

Guizot's History of Civilization; Michelet's History of France; Hallam's Constitutional History.

MODERN LANGUAGES.

Tutor, JAMES LIECHTI, Esq.

FRENCH.—(*Third Year.*)—Pujol's Grammar (first part)—Peschier's *Entretiens Familiars*.GERMAN.—(*Third Year.*)—Ahn's Grammar, (Meissner).—Adler's Reader.FRENCH.—(*Fourth Year.*)—Pujol's Grammar, (second part)—Peschier's *Causeries Parisiennes*.GERMAN.—(*Fourth Year.*)—Otto's Conversation Grammar.—Adler's Reader.—A Play of Schiller.

SUMMER SESSION.

CLASSICS.

Professor, JOHN JOHNSON, M.A.

LATIN.—(*First Year.*)—Virgil, *Bucolics*.GREEK.—(*First Year.*)—Lucian, *Select Dialogues*.LATIN.—(*Second Year.*)—Horace, *Odes, Book IV.*GREEK.—(*Second Year.*)—Homer, *Book XVIII.*

MATHEMATICS.

Professor, CHARLES MACDONALD, M.A.

THEORY OF EQUATIONS.—*First Year.*ASTRONOMY.—*Second Year.*

BOOKS RECOMMENDED.

Todhunter's Theory of Equations. Loomis' Astronomy.

EXPERIMENTAL PHYSICS.

Professor, VERY REV. PRINCIPAL ROSS, D.D.

OPTICS.—*Text Book*—Brewster's Optics.

LOGIC.

Professor, REV. WM. LYALL, LL.D.

Text Books.—Those used in the Winter Session.

ENGLISH LITERATURE.

Professor, JAMES DEMILL, M. A.

Text Books.—Chamber's Cyclopædia of English Literature.—Craik's English Literature.

MINERALOGY AND GEOLOGY.

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

Text Book.—Nichol's, or Dana's Mineralogy. Dana's Manual of Geology.

Field Book.—Dawson's Acadian Geology.

MODERN LANGUAGES.

Tutor.....JAMES LIECHTI, Esq.

FRENCH AND GERMAN.—*Text Books.*—Those used in the Winter Session.

SUMMER SESSION.

CLASSICS.

Professor.....JOHN JOHNSON, M.A.

LATIN.—(First Year.)—Virgil, Æneid.

GREEK.—(First Year.)—Lælius, Select Dialogues.

LATIN.—(Second Year.)—Horace, Odes, Book IV.

GREEK.—(Second Year.)—Homer, Book XVIII.

MATHEMATICS.

Professor.....CHARLES MACDONALD, M.A.

THEORY OF EQUATIONS.—First Year.

ASTRONOMY.—Second Year.

BOOKS RECOMMENDED.

Tschubner's Theory of Equations. Idem's Astronomy.

EXPERIMENTAL PHYSICS.

Professor.....VERY REV. FRISCHAL HOSE, D.D.

Optics.—Text Book.—Brewster's Optics.

PHYSIOLOGIC.

Professor.....REV. WM. L. LILL, LL.D.

Text Books.—Those used in the Winter Session.

ENGLISH LITERATURE.

Professor.....JAMES DENNIS, M.A.

Text Books.—Chamber's Cyclopædia of English Literature.—Crail's English Literature.

Prizes and Certificates of Merit,

1867.

UNIVERSITY PRIZES.

FOURTH YEAR.

CLASSICS.....	Alex. Ross.
ETHICS.....	J. H. MacDonald.
HISTORY.....	Aubrey Lippincott.
CHEMISTRY.....	Alex. Ross.
MODERN LANGUAGES.....	Aubrey Lippincott.

THIRD YEAR.

CLASSICS.....	J. A. Creighton.
METAPHYSICS.....	Thomas Christie.
NATURAL PHILOSOPHY....	None given.

SECOND YEAR.

CLASSICS.....	E. D. Miller.
MATHEMATICS.....	None given.
LOGIC AND PSYCHOLOGY.	E. D. Miller.

FIRST YEAR.

CLASSICS.....	Arthur P. Silver, Halifax Gram. School.
MATHEMATICS.....	Andrew W. H. Lindsay, Pictou Academy.
RHETORIC.....	Arthur P. Silver.

CERTIFICATES OF GENERAL MERIT.

- FOURTH YEAR.—*Class 1.*—Alexander Ross. *Class 2.*—J. H. MacDonald, Aubrey Lippincott, S. McNaughton.
- THIRD YEAR.—*Class 1.*—None. *Class 2.*—Thomas Christie, James A. Creighton.
- SECOND YEAR.—*Class 1.*—None. *Class 2.*—E. D. Miller.
- FIRST YEAR.—*Class 1.*—Arthur P. Silver, Halifax Grammar School; Alex. C. McKenzie, Hugh Scott. *Class 2.*—Andrew W. H. Lindsay, Pictou Academy; Ernest Bayne, Pictou Academy.

THE GRANT PRIZE.

The Grant Prize of Five Pounds for the best Essay on *The Genius and Character of the Roman People*, was awarded to

Aubrey Lippincott.

THE YOUNG PRIZES.

The Young Prize of \$25 was awarded by the Students of the Third and Fourth Years to

John Gow.

The Young Prizes of \$15 was awarded by the Students of the First and Second Years to

Alexander C. McKenzie.

Examinations, 1866-67.

SCHOLARSHIP EXAMINATIONS, OCT. 1866.

The Scholarship offered for competition to pupils from Halifax schools, was gained by

Arthur P. Silver, Halifax Grammar School.

The Scholarship offered for competition to pupils from Pictou Academy, was gained by

A. W. H. Lindsay.

UNIVERSITY EXAMINATIONS, 1866--7.

The following Students have passed the University Examinations in the several years :—

SUPPLEMENTARY EXAMINATIONS, OCT. 1866.

FOR DEGREE OF B. A.—Joshua C. Burgess.

THIRD YEAR.—J. J. Cameron, Aubrey Lippincott, J. H. MacDonald, Robert Sedgewick, David Smith, Edwin Smith.

SECOND YEAR.—James A. Creighton.

FIRST YEAR.—George Murray.

SESSIONAL EXAMINATIONS, APRIL, 1867.

FINAL EXAMINATION FOR DEGREE OF B. A.—Alexander Ross, J. H. MacDonald, Aubrey Lippincott, Robert Sedgewick, David Smith, J. J. Cameron, Edwin Smith.

THIRD YEAR.—James A. Creighton, Thomas Christie, Aeneas Gordon, Kenneth McKay.

SECOND YEAR.—E. D. Miller, J. J. McKenzie, Joseph Annand.

FIRST YEAR.—Arthur P. Silver, Andrew W. H. Lindsay, Alexander C. McKenzie, Hugh Scott, Ernest Bayne, Danl. McKay, John Wallace.

STANDING OF STUDENTS IN THE SEVERAL SUBJECTS.

CLASSICS.

FOURTH YEAR.—*Class 1.*—Alex. Ross. *Class 2.*—J. H. McDonald, Aubrey Lippincott. *Class 3.*—Robt. Sedgewick, John Gow, David Smith, Edwin Smith, J. J. Cameron.

THIRD YEAR.—*Class 1.*—J. A. Creighton. *Class 2.*—Aeneas Gordon. *Class 3.*—Kenneth McKay, Thos. Christie, Isaac Simpson.

SECOND YEAR.—*Class 1.*—None. *Class 2.*—Ebenezer D. Miller. *Class 3.*—J. J. McKenzie, Joseph Annand, George Murray, J. M. Sutherland.

FIRST YEAR.—*Class 1.*—A. P. Silver, A. C. McKenzie. *Class 2.*—James McGregor, Hugh Scott. A. W. H. Lindsay, Ernest Bayne. *Class 3.*—Walter Thorburn, Dan. McKay, Creighton Hamilton, J. Wallace.

MATHEMATICS

FIRST YEAR.—*Class 1.*—Andrew W. H. Lindsay, Hugh Scott, Arthur P. Silver, Alex. C. McKenzie. *Class 2.*—James McGregor, J. Douglas Story, John Wallace. *Class 3.*—Hezekiah Murray, Daniel McKay, Creighton Hamilton, Samuel E. Bayne, Wm. Humphrey.

SECOND YEAR.—*Class 1.*—Ebenezer D. Miller, John J. McKenzie, Joseph Annand.

THIRD YEAR.—*Class 3.*—Samuel McNaughton.

ETHICS AND POLITICAL ECONOMY.

Class 1.—John H. McDonold, Alexander Ross, Aubrey Lippincott, Robert Sedgewick, John Gow, Samuel McNaughton, John J. Cameron.

Class 2.—Edwin Smith, David H. Smith.

LOGIC AND PSYCHOLOGY.

Class 1.—E. D. Miller. *Class 2.*—J. J. McKenzie. *Class 3.*—Jos. Annand, J. Sutherland, Geo. Murray, Duncan Fraser.

METAPHYSICS AND ESTHETICS.

Class 1.—Thos. Christie, Arthur F. Carr, Aeneas G. Gordon. *Class 2.*—James A. Creighton, Kenneth McKay, James Forrest. *Class 3.*—Isaac Simpson.

NATURAL PHILOSOPHY.

Class 1.—A. F. Carr. *Class 2.*—T. Christie, J. H. Creighton. *Class 3.*—K. McKay, A. Gordon, J. Forrest, I. Simpson.

CHEMISTRY.

SENIOR CHEMISTRY.—*Class 1.*—A. Ross. *Class 2.*—S. McNaughton, Edwin Smith, J. H. MacDonald, Robt. Sedgewick, David H. Smith. *Class 3.*—A. Lippincott, John J. Cameron.

JUNIOR CHEMISTRY.—*Class 1.*—Thos. M. Christie, E. D. Miller, John J. McKenzie, Jos. Annand, A. F. Carr, Jas. A. Creighton. *Class 2.*—Duncan Fraser, James Forrest, J. Sutherland, Isaac Simpson. *Class 3.*—Gordon Campbell, Aeneas G. Gordon, Geo. Murray, K. McKay, Hezekiah Murray.

HISTORY.

FOURTH YEAR.—*Class 1.*—Lippincott, Cameron, McDonald. *Class 2.*—Sedgewick, Ross, Gow, Edw. Smith. *Class 3.*—McNaughton, D. Smith.

RHETORIC.

FIRST YEAR.—*Class 1.*—Silver, Scott, Bayne, McKenzie, McKay, Thorburn. *Class 2.*—Wallace. *Class 3.*—Hamilton, Lindsay, Abbinett, Humphrey, Sinclair.

FRENCH.

FOURTH YEAR.—*Class 1.*—Aubrey Lippincott, David Smith, Alex. Ross, Samuel McNaughton. *Class 2.*—Robt. Sedgewick, John H. McDonald. *Class 3.*—Edwin Smith.

THIRD YEAR.—*Class 1.*—James A. Creighton, Thomas Christie, James Forrest, Kenneth McKay, Arthur F. Carr. *Class 2.*—A. G. Gordon. *Class 3.*—I. Simpson.

GERMAN.

ELEMENTARY COURSE.—Thomas Christie, S. McNaughton.

ADVANCED COURSE.—Aubrey Lippincott, John J. Cameron.

Graduates and Undergraduates of the University, and General Students.

GRADUATES.

DEGREE OF B. A.

1866.

Chase, Henry J. Cornwallis.
Shaw, Robert New Perth, P. E. Island.

1867.

Burgess, Joshua C. Cornwallis.
Cameron, J. J. Georgetown, P. E. Island.
Lippincott, Aubrey New Glasgow.
MacDonald, J. H. Cornwallis.
McNaughton, Samuel East River, Pictou.
Ross, Alexander Rogers Hill, Pictou.
Sedgewick, Robert Middle Musquodoboit.
Smith, David H. Truro.
Smith, Edwin Truro.

UNDERGRADUATES, 1866-7.

FOURTH YEAR.

Cameron, J. J. Georgetown, P. E. Island.
Lippincott, Aubrey New Glasgow.
MacDonald, J. H. Cornwallis.
MacNaughton, Samuel East River, Pictou.
Ross, Alexander Roger Hill, Pictou.
Sedgewick, Robert Middle Musquodoboit.
Smith, David H. Truro.
Smith, Edwin Truro.

THIRD YEAR.

Carr, Arthur F. St. Edward's, P. E. Island.
Christie, Thomas M. Yarmouth.
Creighton, James G. A. Halifax.
Gordon, Aeneas G. Scotch Hill, Pictou.
Forrest, James Halifax.
McKay, Kenneth Hardwood Hill, Pictou.
Simpson, Isaac S. Merigomish, Pictou.

SECOND YEAR.

Annand, Joseph. Gay's River.
Fraser, Duncan. New Glasgow.
McKenzie, John J. Green Hill, Pictou.
Miller, E. D. Roger Hill, Pictou.
Murray, George Do. do.
Sutherland, John M. West River, Pictou.

FIRST YEAR.

Bayne, S. Ernest Pictou.
Lindsay, A. W. H. Pictou.
McKay, Daniel. Springville, Pictou.
McKenzie, Alex. C. Rustico, P. E. Island.
Scott, Hugh McD. Sherbrooke.
Seeton, A. P. Halifax.
Silver, Arthur P. Halifax.
Sinclair, Norman M. Halifax.
Thorburn, Walter M. Bermuda.
Wallace, John Shubenacadie.

EXAMINATION PAPERS, 1867.

GENERAL STUDENTS.

NAME.	RESIDENCE.	CLASSES ATTENDED.
Abbinett, Arthur	Halifax.	Classics, Math. Rhetoric.
Cameron, A. H.	New Glasgow	Class., Math., Logic.
Cameron, W. D.	New Glasgow	Classics, Mathematics.
Campbell, John	Lake Ainslie, C. Breton	Rhet., Logic., Chemistry.
Campbell, David	East River, Pictou	Class., Logic, Chemistry.
Campbell, P. G.	Sherbrooke	Class., Math., Logic, Chem.
Campbell, Colin N.	Baddeck, Cape Breton	History.
Cox, Robinson.	Upper Stewiacke	Mathematics, Chemistry.
Cruickshank, W. G.	Middle Musquodoboit.	Classics, Rhetoric.
Fraser, Charles	Cavendish, P. E. Island.	Class., Meta., Hist., Chem.
Fraser, Peter G.	New Glasgow	Practical Chemistry.
Godkin, Charles M.	Halifax.	Latin, Math., Rhetoric.
Gow, John	Lunenburg	Class., Ethics, Hist., Chem.
Gunn, Samuel	East River	Class., Meta., Rhet., Chem.
Hamilton, C. L.	Gore, Hants Co.	Class., Mathem., Rhetoric.
Henry, H. McD.	Halifax	Do. do. do.
Humphrey, William	Halifax	Do. do. do.
Kent, Alex.	Halifax	Chemistry.
Logan, Hiram	East Boston, U. S.	Classics, Math., Rhetoric.
McDaniel, John H.	Halifax	Mathematics, Rhetoric.
McGillivray, John	New Glasgow	Class., Mathematics, Rhet.
McGregor, James G.	Halifax	Classics, Mathematics.
McKenzie, John A.	Green Hill, Pictou	Classics, Nat. Phil., Met. Chemistry, French.
McMillan, Peter H.	Pictou	Classics, Math., Rhetoric.
Mitchell, Frederick	Halifax	Do. do. do.
Murray, Hezekiah	Mabou	Class., Math., Logic, Chem.
Murray, John	Roger Hill, Pictou	Classics, Logic, Chemistry.
Nelson, Adam	Shubenacadie	Classics, Math., Rhetoric.
Stairs, John F.	Halifax	Chemistry.
Story, J. Douglas	Halifax	Classics, Mathematics.
Thompson, Alex. F.	Antigonishe	Class., Math., Logic, Bhem.
Waddell, Sherburne.	Sheet Harbour, Halifax	History.
Webster, Barclay.	Kentville	Class., Mathematics, Logic.

EXAMINATION PAPERS, 1867.

FIRST YEAR....LATIN.

GREEK.
HISTORY OF ROME.
MATHEMATICS.
RHETORIC.

SECOND YEAR...LATIN.

GREEK.
MATHEMATICS.
LOGIC AND PSYCHOLOGY.
CHEMISTRY.

THIRD YEAR....LATIN.

GREEK.
MATHEMATICAL PHYSICS.
EXPERIMENTAL PHYSICS.
METAPHYSICS.
FRENCH.
GERMAN.

FOURTH YEAR..LATIN.

GREEK.
COMPARATIVE PHILOLOGY.
ETHICS AND POLITICAL ECONOMY.
CHEMISTRY.
HISTORY.
FRENCH.
GERMAN.

EXAMINATION PAPERS, 1867.

FIRST YEAR.....LATIN.

GREEK.
HISTORY OF ROME.
MATHEMATICS.
RHETORIC.

SECOND YEAR..LATIN.

GREEK.
MATHEMATICS.
LOGIC AND PSYCHOLOGY.
CHEMISTRY.

THIRD YEAR.....LATIN.

GREEK.
MATHEMATICAL PHYSICS.
EXPERIMENTAL PHYSICS.
METAPHYSICS.
FRENCH.
GERMAN.

FOURTH YEAR..LATIN.

GREEK.
COMPARATIVE PHILOLOGY.
ETHICS AND POLITICAL ECONOMY.
CHEMISTRY.
HISTORY.
FRENCH.
GERMAN.

DALHOUSIE COLLEGE AND UNIVERSITY
 HALIFAX
 SESSIONAL EXAMINATIONS, 1888
 (a) Session in English Literature and History
 Monday, April 15, 1888
 1. Essay on the subject of the "Gothic Novel"
 2. Essay on the subject of the "Gothic Novel"
 3. Essay on the subject of the "Gothic Novel"

GICERO ORAT. PRO LEGE MANILIA—VIRGIL. AENEID. 2. VII.
 Professor Johnson, M.A., Examiner.

1. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

2. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

3. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

4. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

5. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

6. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

7. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

8. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

9. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

10. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

11. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

12. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

13. Translate the following Latin into English, and explain the meaning of the words in italics. (10 marks)

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 9 A.M. TO 1 P.M.

LATIN.—FIRST YEAR.

CICERO: ORAT. PRO LEGE MANILIA.—VIRGIL: AENEID, B. VII.

PROFESSOR JOHNSON, M.A. *Examiner.*

1. Translate :

a. Etenim primum illud parvi refert, nos publicanis amissa vectigalia postea victoria recuperare; neque enim iisdem redimendi facultas erit propter calamitatem neque aliis voluntas propter timorem. Deinde, quod nos eadem Asia atque idem iste Mithridates initio belli Asiatici docuit, certe id quidem calamitate docti memoria retinere debemus. Nam tum quum in Asia res magnas permulti amiserant, scimus Romae solutione impedita fidem concidisse. Non enim possunt una in civitate multi rem ac fortunas amittere ut non plures secum in eandem trahant calamitatem. *Orat. Pro. L. M. C. 7.*

b. Quare nolite dubitare quin huic uni credatis omnia, qui inter tot annos unus inventus sit, quem socii in urbes suas cum exercitu venisse gaudeant. Quod si auctoritatibus hanc causam, Quirites, confirmandam putatis, est vobis auctor vir bellorum omnium maximarumque rerum peritissimus, P. Servilius, cujus tantæ res gestæ terra marique exstiterunt ut, quum de bello deliberetis, auctor vobis gravior nemo esse debeat; est C. Curio, summis vestris beneficiis, maximisque rebus gestis, summo ingenio et prudentia præditus; est Cn. Lentulus, in quo omnes pro amplissimis vestris honoribus, summum consilium, summam gravitatem esse cognovistis; est C. Cassius, integritate, virtute, consantia singulari. *Orat. Pro. L.M. c. 23.*

c. Tum satus Anchisa delectos ordine ab omni
Centum oratores augusta ad mœnia regis
Ire jubet, ramis velatos Palladis omnes,
Donaque ferri viro, pacemque exposcere Teucris.
Hand mora, festinant jussi rapidisque feruntur
Passibus. Ipse humili designat mœnia fossa,
Moliturque locum, primasque in litore sedes
Castrorum in morem pinnis atque aggere cingit.
Jamque iter emensi tures ac tecta Latinorum
Ardua cernebant juvenes, muroque subibant.
Ante urbem pueri et primævo flore juventus
Exercentur equis, domitantque in pulvere currus,
Aut acres tendunt arcus, aut lenta lacertis
Spicula contorquent, cursuque ictuque lacessunt.

Aeneid vii. 153-165.

2. Parse the verbs in the sentence "Quare nolite" . . . (b.) giving the rules for mood and tense. Why are different moods used in (a.)

“quum . . . amiserant” and (b.) “quum . . . deliberetis”?
When is *ut non* used to introduce a clause and when *ne*?

3. Give the rules for the cases of (a.) “parvi,” “publicanis,” “redimendi,” “calamitate,” “Romæ”—(b.) “mari,” “ingenio,” “integritate,” (c.) “iter,” “muro,” “flore,” “cursu.”

4. a. Parse and conjugate the verbal forms in extract (c.)

b. Decline “mœnia,” “viro,” “locum,” “castrorum,” “aggere,” “iter,” “pulvere,” “arcus,” “lacertis.”

c. What is the etymology of *prudencia*, *humilis*, *nemo*, *impedio*, *auspicium*, *fatidicus*, *Oenotria*, *bidens*?

5. Explain the allusions in these lines:—

a. *Proxuma Circæe raduntur litora terre.*

b. *Saturnus senex Janique bifrontis imago.*

c. *Nec face tantum*

Cisseis prægnans ignes enixa jugales.

d. *At non sic Phrygius penetrat Lacedæmona pastor.*

6. a. Relate the circumstances which led to the proposal of the *Lex Manilia*. Give the date of it. Was there any precedent for it? On what subject does Cicero chiefly dwell? He shews the importance of *Asia Minor* to Rome? What office did he hold at this time?

b. Describe the voyage of *Aeneas* to *Latium*. Illustrate the use of “*Palladis*” in line 155. What means did the Latins in the earliest times employ to obtain answers from the gods?

7. Scan lines 153–155, 160–163. What is meant by *metre*, *cæsura*, *synæresis*, *ecthlipsis*, *synalæpha*. Where is *cæsura* necessary in *Hexameters*? What endings of *Hexameter* lines should be avoided?

8. Distinguish:—*promitto*, *polliceor*; *aptus*, *idoneus*; *comes*, *socius*, *consors*, *sodalis*; *cæpi*, *incipio*; *simulo*, *dissimulo*; *similis tui*, *similis tibi*; *tibi consulere*, *te consulere*, *in te consulere*; *sanare*, *mederi*; *mihi deficere*, *a me deficere*; *ôs*, *ôs*; *occïdo*, *occïdo*; *pecus* (fem.), *pecus* (neut.)

9. Translate into Latin:—He wishes to come; he hopes to come; he orders me to come; he deserves to be praised; he says he will do it; I will not refuse to take it. It is of great importance to me that the army should know what prevented me from stripping the enemy of his baggage. He requests me to sell these thirty bushels of wheat at ten denarii the bushel and to ask at what price barley is selling. There are some persons who are never contented with their own lot in life, but are always envying that of others.

"quasi" "intermittent" and (3) "plague" . . . "dell'anno" . . .
 When it is not used to introduce a clause and when any
 3. Give the rules for the cases (a) "privy," "publicans," "noli-
 meri," "calamitate," "horde,"—(b) "mari," "ingenio," "integrata,"
 (c) "hor," "muri," "fugis," "curis," "LANTISSIMO"
 4. Parse and conjugate the verbal forms in extract (c).
 5. Decline "mensis," "vino," "locum," "castrorum," "agrorum,"
 "jan," "pulsere," "mensis," "locum."
 6. What is the etymology of "archibuteus," "huculis," "nemo," "inpedio," "expi-
 orem," "fudibus," "Genetrix," "viduas"?
 7. Explain the allusions in these lines:—
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 100. Explain the allusions in these lines:—

DALHOUSIE COLLEGE AND UNIVERSITY

HALIFAX, N.S.

SESSIONAL EXAMINATIONS, 1901

Tuesday, April 16th

GENERAL EXAMINATION - LAW - BOOK V

THAT THE

1. Translate the first or second, and the last of the following pas-

sages:

1. "I have not seen the king since he fled from the city."

2. "The king had fled from the city before the army arrived."

3. "The king fled from the city before the army arrived."

4. "The king fled from the city before the army arrived."

5. "The king fled from the city before the army arrived."

6. "The king fled from the city before the army arrived."

7. "The king fled from the city before the army arrived."

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19. "The king fled from the city before the army arrived."

20. "The king fled from the city before the army arrived."

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSSIONAL EXAMINATIONS, 1867.

TUESDAY, APRIL 16TH.

GREEK.—XENOPHON.—ANABASIS, BOOK V.

FIRST YEAR.

1. Translate the first or second, and the last of the following passages :—

a. Ἐπεὶ δὲ πάντα παρεσκεύαστο, καὶ οἱ λοχαγοὶ καὶ οἱ ὑπολοχαγοὶ καὶ οἱ ἀξιούντες τούτων μὴ χείρους εἶναι πάντες παρατεταγμένοι ἦσαν καὶ ἀλλήλους μὲν δὴ ξυνεώρων, (μνηροειδῆς γὰρ διὰ τὸ χωρίον ἡ τάξις ἦν) ἐπεὶ δὲ ἐπαίανισαν καὶ ἡ σάλπιγξ ἐφθέγγετο, ἅμα τε τῷ Ἐνναλίῳ ἠγάλαξαν καὶ ἔθεον δρόμῳ οἱ ὀπλίται καὶ τὰ βέλη ὁμοῦ ἐφέρετο, λόγχοι, τοξέματα, σφενδόνας καὶ πλείστοι δ' ἐκ τῶν χειρῶν λίθοι. ἦσαν δὲ οἱ καὶ πῦρ προσέφερον. Ὑπὸ δὲ τούτῳ πλήθους τῶν βελῶν ἕλιπον οἱ πολέμοι τὰ τε σταυρώματα καὶ τὰς τύρσεις ὥστε Ἀγασίας Στυμφάλιος καὶ Φιλόξενος Πελληνεὺς καταθέμενοι τὰ ὄπλα ἐν χιτῶνι μόνον ἀνέβησαν, καὶ ἄλλος ἄλλον εἶλκε καὶ ἄλλος ἀναβεβήκει, καὶ ἠλώκει τὸ χωρίον, ὡς ἐδόκει.—*Char.* ii, 13-15.

b. Οἱ δὲ Ἕλληες διαρπάζοντες τὸ χωρίον ἔνρισκον θησαυροὺς ἐν ταῖς οἰκίαις ἄρτων νενημένων πατρίους, ὡς ἔφασαν οἱ Μοσσυνοῖκοι· τὸν δὲ νέον σίτον ξυν τῇ καλᾷ ἀποκείμενον ἦσαν δὲ ζεῖαι αἱ πλείσται. Καὶ δελφίνων τεμάχη ἐν ἀμφορεῦσιν εὐρίσκετο τεταριχενυμένα καὶ στέαρ ἐν τεύχεσι τῶν δελφίνων, ᾧ ἐχρῶντο οἱ Μοσσυνοῖκοι καθάπερ οἱ Ἕλληες τῷ ἐλαίῳ. Κάρινα δὲ ἐπὶ τῶν ἀνωγαίων ἦν πολλὰ τὰ πλατέα, οὐκ ἔχοντα διαφυγὴν οὐδεμίαν. Τούτων καὶ πλείστῳ σίτῳ ἐχρῶντο ἔσποντες καὶ ἄρτους ὀπτῶντες.—*Char.* iv, 27-29.

c. Μετὰ ταῦτα Ξενοφῶν εἶπεν· Ὡ Σινοπίεις, οἱ μὲν ἄνδρες ἤρηνται πορείαν ἦν ἡμεῖς ξυμβουλεύετε· οὕτω δὲ ἔχει· εἰ μὲν μέλλει πλοῖα ἔσεσθαι ἰκανὰ ἀριθμῷ ὡς ἓνα μὴ καταλείπεσθαι ἐνθάδε, ἡμεῖς δὲ πλέομεν ἂν· εἰ δὲ μέλλομεν οἱ μὲν καταλείψεσθαι οἱ δὲ πλεύσεσθαι, οὐκ ἂν ἐμβαίημεν εἰς τὰ πλοῖα. Γιγνώσκωμεν γὰρ ὅτι, ὅπου μὲν ἂν κρατῶμεν, δυνάμεθ' ἂν καὶ σώζεσθαι καὶ τὰ ἐπιτηδεῖα ἔχειν· εἰ δὲ πού ἦττους τῶν πολεμίων ληφθησόμεθα, εὐδελον δὴ ὅτι ἐν ἀνδραπόδων χώρα ἐσόμεθα.—*Char.* vi, 12, 13.

2. Write out the *subordinate* clauses in these passages and show their relation to other clauses.

Mention the *Moods* employed in them and give the corresponding constructions in Latin.

In what different ways is the *oratio obliqua* expressed in Greek? How in Latin? Translate into Latin the first two clauses of (c) as *oratio recta* and *obliqua*.

3. Parse the following sentences :—

In (a) οἱ ἀξιούντες τούτων μὴ χείρους εἶναι πάντες παρατεταγμένοι ἦσαν.— ἅμα τε τῷ Ἐνναλίῳ ἠγάλαξαν καὶ ἔθεον δρόμῳ οἱ ὀπλίται.

In (b) καὶ δελφίνων τεμάχη ἐν ἀμφορεῦσιν εὐρίσκετο τεταριχενόμενα.—
καθάπερ οἱ Ἕλληνες τῷ εἰλαίῳ.

In (c) οὗτω δε ἔχει.—ἐν ἀνδραπόδων χώρα ἐσόμεθα. Translate the last
two sentences into Latin.

4. Parse these verbal forms and give the principal parts of the verbs
they come from:—

- (a) παρεσκεύαστο, ἐφθέγγατο, προσέφερον, ἔιλκε, ἀναβεθήκει, ἠλώκει.
(b) νενημένων, ἔφασαν, ἔχοντα, ὀπτῶντες.
(c) καταλείψεσθαι, πλένσεσθαι, σώζεσθαι, ληφθησόμεθα.

5. Write the Gen. and Voc. Sing. and Dat. Pl. of:—πολίτης, λοχαγός,
παῖς, πῶς, ἀναξ, ἀνὴρ, πόλις, βασιλεύς, γυνή, λέων, πατήρ.

Give the general rules for determining the gender of Nouns of the
Third Declin.

6. Compare these Adjectives:—μέγας, πολὺς, μικρός, καλός, σοφός, δεινός,
βαθύς, ταχύς, ραδίος.

Write the Nom. and Gen. in Sing. and Pl. of ἀνός, οὗτος, ὁ, ὅς, ἄλλος,
ὅστις.

Distinguish ταυτά, ταῦτα,—ἀλλά, ἄλλα,—ἄλλοι, οἱ ἄλλοι,—αὐτός, ὁ αὐτός.

7. a. What is the essential difference between verbal forms of the first
and second conjugations? b. Shew that it does not consist in the dif-
ference of termination or the reduplication of the rest. c. In which
tense is the rest found in its simple form? d. Give the roots of the
following verbs with examples of similar formations:—

λαίπω, φεύγω, φαίνω, μανθάνω, γιγνώσκω, δίδωμι, ὀλλυμι, τύπτω, τάσσω, εἰμί.

8. a. Write the 2nd Aor. Act. Mid. and Pass., in all the Moods and
Persons of:—

τρέπω, τείνω, δίδωμι, βαίνω, ἴημι.

b. Write the 2nd P. Dual of the 1st Aor. in all the Voices and Moods
of:—

φαίνω, φιλέω, κρίνω, σπεύδω, τρέφω, ἴστημι.

c. Give the Dat. Pl. Mas. of all the Participles of these verbs:—

τιμάω, φαίνω, κτείνω, τρέφω, δηλόω, δίδωμι, εἰμί.

d. Write the Pres. Tense of all the Moods of the different Voices of:—
ἴστημι, ἴημι, εἰμι, εἰμί, κείμαι, οἶδα.

9. Give the etymology and meaning of these words:—λοχαγός,
ψευδενέδρα, νεωκόρος, δεκατέω, δορκάς, σφαιροειδής, στρωματόδεσμος, εὐώνυμος,
Μοσσοῖνοικοι, σταθμός, ὑπήκοος, γνώμη, ὑπωπτεύω, ψηφίζω, χαράδρα, πευτηκόν-
τορος, ναῦλος, στρατόπεδον.

10. Describe the route of the "Ten Thousand." What was the object
of the expedition? Give the date of it. Write a brief account of
Xenophon's life, and mention his principal works. Some doubt has
been shown on the authorship of the *Anabasis*?

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TRANSLATE THE TEXT

4. Paraphrase these verbal forms and give the principal parts of the verbs they come from.

(1) conjugate, flex, flexio, conjugatio
(2) conjugate, flex, flexio, conjugatio

5. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

6. Conjugate the following verbs in the present and past tenses.

7. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

8. Conjugate the following verbs in the present and past tenses.

9. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

10. Conjugate the following verbs in the present and past tenses.

11. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

12. Conjugate the following verbs in the present and past tenses.

13. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

14. Conjugate the following verbs in the present and past tenses.

15. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

16. Conjugate the following verbs in the present and past tenses.

17. Write the Gen and Voc Sng and Pl of the following nouns and give the gender of each.

18. Conjugate the following verbs in the present and past tenses.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 3 TO 5.30 P. M.

HISTORY OF ROME.—FIRST AND SECOND YEARS.

PROFESSOR JOHNSON, M. A. *Examiner.*

1. On the evidence of language three races can be distinguished in Italy in early times? One of these comprised several tribes arranged in two large groups?
2. Explain the constitution of the Latin Confederation and the relations existing between it and Rome originally? How were these relations subsequently modified?
3. Distinguish clearly *populus*, *plebs* and *clientes* in early history. Describe the steps by which the differences between the first two were removed, giving dates.
4. Describe the changes in the constitution ascribed to Servius Tullius? Niebuhr and Mommsen assign different motives for them?
5. On what occasion were *Censors* first appointed? What were their duties? How did their tenure of office differ from that of other magistrates?
6. The siege of Veii was in several respects remarkable?
7. When was Rome taken by the Gauls? What was the cause of their attack? What legend is connected with their departure? How is its falsity shewn? Some Roman families derived their names from subsequent contests with them?
8. After what war did Rome become mistress of Italy? What means did she adopt to secure her conquests? Describe the principles of her government of them and enumerate the different classes of her subjects.
9. On what occasion did Rome first overstep the boundaries of Italy? The importance of this step was felt at Rome? Shew the serious consequences to which it led.
10. Mention the dates, causes and results of the three Punic Wars. What Roman generals distinguished themselves in each? Describe Hannibal's route to Italy. What was his policy when there? How was it defeated?
11. Give the names of the Roman Provinces 130 B. C. with the dates of their formation. How were they governed?
12. What powers did the Senate possess during the Republic? The *Equites* of early and later times differed? Describe the constitution and powers of the *Comitia*.

HISTORY OF ROME—FIRST AND SECOND YEARS.

Professor Johnson, M. A. Examinations.

1. On the evidence of language there may be distinguished in Italy in early times? One of these comprised several tribes arranged in two large groups?
2. Explain the constitution of the Latin Confederation and the relations existing between it and Rome originally? How were these relations subsequently modified?
3. Distinguish clearly popular, plebe and clerical in early history. Describe the steps by which the difference between the first two was removed, giving dates.
4. Describe the changes in the constitution ascribed to Servius Tullius? Nicolaus and Mommsen assign different motives for them?
5. On what occasion were Censors first appointed? What were their duties? How did their tenure of office differ from that of other magistrates?
6. The siege of Veii was in several respects remarkable?
7. When was Rome taken by the Gauls? What was the cause of their attack? What legend is connected with their departure? How is its falsity shown? Some Roman families derived their names from subsequent contacts with them?
8. After what war did Rome become mistress of Italy? What means did she adopt to secure her conquests? Describe the principles of her government of them and comment on the different classes of her subjects.
9. On what occasion did Rome first overstep the boundaries of Italy? The importance of this step was felt at Rome? Show the serious consequences to which it led.
10. Mention the dates, causes and results of the three Punic Wars. What Roman generals distinguished themselves in each? Describe Hannibal's route to Italy. What was his policy when there? How was it defeated?
11. Give the names of the Roman Provinces 150 B. C. with the dates of their formation. How were they governed?
12. What powers did the Senate possess during the Republic? The abuses of early and later times differed? Describe the constitution and powers of the Comitia.

PROBLEMS AND MEMORANDA

PROFESSOR C. MACDONALD, M. A., Examiner.

1. If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the segments of the base shall have the same ratio to one another that the other sides of the triangle have, and conversely.
2. Similar triangles are to one another as the squares of their homologous sides.
3. In right-angled triangles the vertical angles described on the hypotenuse are equal to the similar and similarly described angles on the other two sides.
4. If three straight lines meet at a point and a straight line stand at right angles to each of them in that point, the three straight lines lie in one and the same plane, and each is at right angles to the other two.
5. If two planes which cut one another, be perpendicular to the same straight line, their common section shall be perpendicular to the same plane.
6. If chords in a circle pass through a common point, not the centre, the segments of their extremities will not be a straight line, which is perpendicular to the chord that is bisected in the point.
7. If the base of a triangle being fixed, the vertex move in a straight line, the point in which the lines drawn from the angles to bisect the opposite sides meet, shall also move in a straight line parallel to one of the sides.
8. From a given triangle cut off an area by a line parallel to one of the sides.
9. If a and b are the parallel sides of a trapezoid and p the perpendicular breadth, prove Area = $(a + b) \frac{p}{2}$.
10. An arc of 60° in one circle is equal in length to an arc of 72° in another; compare the areas of the circles.
11. A mill-wheel has a radius of 10 ft., and the circumference moves at the rate of 10 ft. per second; find the circular measure of the arc described by a point in the circumference in an hour; and reduce it to angular measurement.
12. The radius of the base of a right cone is 3 inches, and the height $6\sqrt{2}$; find the surface and solidity of the cone.
13. In a given square another is inscribed, having its angles at the mid-points of the sides; in this another square is similarly inscribed, and so on for ever. The sum of the areas of the inscribed squares is equal to the area of the given square.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

WEDNESDAY, APRIL 17, 9 A.M. TO 12 NOON.

MATHEMATICS.—SECOND YEAR.

GEOMETRY AND MENSURATION.

PROFESSOR C. MACDONALD, M. A. *Examiner.*

1. If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the segments of the base shall have the same ratio to one another that the other sides of the triangle have; and conversely.
2. Similar triangles are to one another in the duplicate ratio of their homologous sides.
3. In right-angled triangles the rectilineal figure described on the hypotenuse is equal to the similar and similarly described figures on the other two sides.
4. If three straight lines meet at a point and a straight line stand at right angles to each of them at that point, the three straight lines are in one and the same plane.
5. If two planes which cut one another be each of them perpendicular to a third plane, their common section shall be perpendicular to the same plane.
6. If chords in a circle pass through a common point, not the centre, the tangents at their extremities will meet in a straight line, which is parallel to the chord that is bisected in the point.
7. If, the base of a triangle being fixed, the vertex move in a straight line, the point in which the lines drawn from the angles to bisect the opposite sides meet, shall also move in a straight line.
8. From a given triangle cut off an n th part by a line parallel to one of the sides.
9. If a, b are the parallel sides of a trapezoid and p the perpendicular breadth, prove $\text{Area} = (a + b) \frac{p}{2}$.
10. An arc of 60° in one circle is equal in length to an arc of 72° in another; compare the areas of the circles.
11. A mill-wheel has a radius of 40 ft., and the circumference moves at the rate of 10 ft. per second; find the circular measure of the arc described by a point in the circumference in an hour; and reduce it to angular measurement.
12. The radius of the base of a right cone is 3 inches, and the height $6\sqrt{2}$; find the surface and solidity of the cone.
13. In a given square another is inscribed, having its angles at the middle points of the sides; in this another square is similarly inscribed, and so on for ever. The sum of the areas of the inscribed squares is equal to the area of the given square.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

WEDNESDAY, APRIL 17, 3 TO 5.30 P. M.

MATHEMATICS.—SECOND YEAR.

TRIGONOMETRY AND ALGEBRA.

PROFESSOR C. MACDONALD, M. A. *Examiner.*

1. Prove $\sin A = \sin (180^\circ - A)$, $\cos A = -\cos (180^\circ - A)$, $\sin A = -\sin (-A)$, and $\cos A = \cos (-A)$, and deduce the corresponding relations of the other four functions of A .

2. Prove $\operatorname{cosec} 2A + \cot 2A = \cot A$: and $\frac{\sin A + \sin 3A}{\cos A + \cos 3A} = \tan 2A$.

3. Prove $\sin (n + 1)A = 2 \sin nA \cos A - \sin (n - 1)A$, and give the similar formula for $\cos (n + 1)A$. Shew the practical importance of these expressions.

4. Given $2 \sin^2 x - 5 \cos x - 4 = 0$; find x .

5. Given two sides and the included angle of a plane triangle: prove the main formula on which the solution of this case depends, and apply it to find the other parts of the triangle.

6. If $A + B + C = 90^\circ$, shew that $\sin A + \sin B + \sin C = 4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}$.

7. If a, b, c are the sides of a triangle, A, B, C being the angles opposite, prove $\cos A = \frac{b^2 + c^2 - a^2}{2bc}$.

8. In a piece of even ground, and with only a measuring line, a person wishes to find the distance of a visible but inaccessible object. How should he proceed?

9. The inscribed circle of a triangle touches the sides a, b, c in D, E, F . Join these points and investigate the area of the triangle DEF .

10. Expand by the Binomial Theorem $\left(\frac{b+x}{a}\right)^{\frac{1}{2}}$ and find the middle term of $\left(x^2 - \frac{1}{x^2}\right)^{10}$.

11. When n is a positive integer, the number of terms in the expansion of $(a+x)^n = n+1$: in other cases it is infinite.

12. The odd combinations of n things exceed the even combinations, whatever the value of n .

13. Three cents are to be tossed twice. Find the odds against their all turning up the same the second time as well as the first?

14. Find the present value of an annuity of $\pounds A$, to last for n years, r being the rate per cent.

15. Prove that the difference between an odd number and its cube is divisible by 12, without remainder.

SESSIONAL EXAMINATIONS, 1881.

WEDNESDAY, APRIL 17, 3 TO 5 P. M.

MATHEMATICS.—SECOND YEAR.

TRIGONOMETRY AND ALGEBRA.

PROFESSOR C. MACDONALD, M. A., F.R.S.E., F.R.S.

1. Prove that $\sin A = \sin(180^\circ - A)$, $\cos A = -\cos(180^\circ - A)$, and deduce the corresponding relations of the other four functions of A .

2. Prove that $\cos^2 A + \cos^2 A = 2 \cos A$ and $\sin^2 A + \sin^2 A = 2 \sin A$.

3. Prove that $\sin(A + B) = \sin A \cos B + \cos A \sin B$ and give the similar formula for $\cos(A + B)$. Show the practical importance of these relations.

4. Given $2 \sin^2 x - 2 \cos x - 4 = 0$, find x .

5. Given two sides and the included angle of a plane triangle; prove the sine formulae on which the solution of this case depends, and apply it to find the other parts of the triangle.

6. If $A + B + C = 90^\circ$, show that $\sin A + \sin B + \sin C = 4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}$.

7. If A & B are the sides of a triangle, A, B, C being the angles opposite to them, prove that $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$.

8. In a piece of even ground, and with only a measuring line, a person wishes to find the distance of a visible but inaccessible object. How should he proceed?

9. The inscribed circle of a triangle touches the sides a, b, c in D, E, F . Join these points and investigate the area of the triangle DEF .

10. Expand by the Binomial Theorem $\left(\frac{a}{b} + x\right)^{\frac{1}{2}}$ and find the middle term of $\left(x^2 - \frac{1}{x}\right)^{10}$.

11. When n is a positive integer, the number of terms in the expansion of $(a + x)^n = a^n + \dots + x^n$ is $n + 1$; in other cases it is infinite.

12. The odd combinations of a thing exceed the even combinations, whatever the value of n .

13. These cards are to be tossed twice. Find the odds against their all turning up the same the second time as well as the first?

14. Find the present value of an annuity of £A, to last for n years, r being the rate per cent.

15. Prove that the difference between an odd number and its cube is divisible by 12, without remainder.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 22, 9 A.M. TO 1 P.M.

RHETORIC.—FIRST YEAR.

PROFESSOR DEMILL, M. A. *Examiner.*

1. Give derivation and definition of Barbarism and Solecism. What are obsolete words? From what sources do new words arise? Define Precision, and state how it is most commonly violated. Give the rules for Unity in sentences. (1)
2. Mention the steps to be observed in the construction of Analysis, and give an illustration from the subject—"War." (2)
3. What is the relative importance of Vivacity in style? What are the chief uses of Epithets? Define and illustrate Asyndeton,—Polysyndeton. (3)
4. Show the effect of passing from the general to the particular. Give examples of the variation of connectives. What is Climax? Define Alliteration, and explain the important position which it once had in Anglo-Saxon literature. (4)
5. Give the rules for the construction of Metaphors. Define and illustrate Allusion. What are the chief qualities that give vivacity to style? What is the difference between Personification and Apostrophe? (5)
6. What is the difference between Euphony and Elegance? How is Euphony violated? To what extent does Rhythm enter into Prose, and what difference may be seen among different subjects? Give some examples of resemblance between Sound and Sense. How does Rhetorical Harmony affect the formation of Analysis? (6)
7. What is the difference between direct Argument and indirect? In Arguments from Testimony what things are to be considered? Into how many classes may Arguments from Example be divided? Define and illustrate the Argument from Induction? Give an example of the Argument from Contraries. (7)
8. What is Taste? Mention the chief sources of the Beautiful. What is the difference between the Beautiful and the Picturesque? Show the origin of the Picturesque. Explain the departments of the Ridiculous. Define Burlesque, Parody, Satire. (8)
9. State the common opinion about the origin of the English language, and the objections which exist. Mention the earliest notice of the Teutonic race in Britain. Who may the Jutes have been? What is probably the native seat of the Angles? What is the origin of the name Anglo-Saxon? Mention the Saxon and Danish characteristics in the names of towns. What languages are represented in the English? Give an Historical Analysis of the English language, and state the difference between an Historical Analysis and a Logical. (9)
10. Give a definition of Poetry. What are the chief forms which Poetry has assumed among different nations? Define Accent, Rhyme, Rhythm, Foot, Metre. Illustrate the most common forms of the Iambic and Trochaic metres. (10)

Professor DeMille, M. A. Examinations.

1. Give definition and distinction of Burden and Solecism. What are obsolete words? From what sources do new words arise? Define Precision, and state how it is most commonly violated. Give the rules for Unity in sentences.
2. Mention the steps to be observed in the construction of Analysis, and give an illustration from the subject—"War".
3. What is the relative importance of Vivacity in style? What are the chief uses of Epithets? Define and illustrate Asyndeton—Polysyndeton.
4. Show the effect of passing from the general to the particular. Give examples of the variation of connectives. What is Chiasm? Define Alliteration and explain the important positions which it once had in Anglo-Saxon literature.
5. Give the rules for the construction of Metaphors. Define and illustrate Allusion. What are the chief qualities that give vivacity to style? What is the difference between Personification and Apostrophe?
6. What is the difference between Epithet and Epigram? How is Epithet violated? To what extent does Hyperbole enter into prose, and what difference may be seen among different subjects? Give some examples of resemblance between Sound and Sense. How does Historical Harmony affect the formation of Analysis?
7. What is the difference between direct Argument and indirect? In Arguments from Testimony what things are to be considered? Into how many classes may Arguments from Example be divided? Define and illustrate the Argument from Induction? Give an example of the Argument from Contradiction.
8. What is Taste? Mention the chief sources of the Beautiful. What is the difference between the Beautiful and the Picturesque? Show the origin of the Picturesque. Explain the departments of the Beautiful. Define Pastoral, Pastoral Satire.
9. State the common opinion about the origin of the English language and the objections which exist. Mention the earliest notice of the Teutonic race in Britain. Who may the Jutes have been? What is probably the native seat of the Angles? What is the origin of the name Anglo-Saxon? Mention the Saxon and Danish characteristics in the names of towns. What languages are represented in the English? Give an Historical Analysis of the English language, and state the difference between an Historical Analysis and a Logical.
10. Give a definition of Poetry. What are the chief forms which Poetry has assumed among different nations? Define Accent, Rhythm, Hyperbaton, Foot, Metre. Illustrate the most common forms of the Iambic and Trochaic metres.

MALIBOUZIE

SESSIONAL EXAMINATIONS, 1877.

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CITY: R. Z. CHAPMAN, HONORARY SECRETARY.
Professors Johnson, M. A.

1. Translate the following into Latin.

Quamvis diebus hinc certamen, et secundum, quia postea
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DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 9 A.M. TO 1 P.M.

LATIN.—SECOND YEAR.

LIVY: B. XXI. CHAP. 1-30. HORACE: SELECT EPISTLES.

PROFESSOR JOHNSON, M. A. *Examineralogy.*

1. Translate: *the following easy sentences.*

a. Quum diu anceps fuisset certamen, et Saguntinis, quia præter spem restiterunt, crevissent animi, Pœnus, quia non vicisset, pro victo esset, clamorem repente oppidami tollunt, hostemque in ruinas muri expellunt; inde impeditum trepidantemque exturbant; postremo fusum fugatumque in castra redigunt. Interim ab Roma legatos venisse nunciatum est; quibus obviam ad mare missi ab Hannibale qui dicerent, nec tuto eos adituros inter tot tam efferatarum gentium arma: nec Hannibali in tanto discrimine rerum operæ esse legationes audire. *Livy. xxi. 9.*

b. Ibi fama est, in quiete visum ab eo juvenem divina specie, qui se ab Jove diceret *ducem in Italian Hannibali missum: proinde sequeretur, neque usquam a se deflecteret oculos.* Pavidum primo, nusquam circumspicientem aut respicientem, secutum; deinde cura humani ingenii, quum, quidnam id esset, quod respicere vetitus esset, agitaret animo, temperare oculis nequiverisse; tum vidisse, post se serpentem mira magnitudine cum ingenti arborum ac virgultorum strage ferri, ac post insequi cum fragore cœli nimbum: tum, quæ moles ea, quidve prodigii esset, quærentem audisse: *castitatem Italie esse; pergeret porro ire, nec ultra inquireret, sineretque fata in occulto esse.* *Livy. xxi. 22.*

c. Sed neque, qui Capua Romam petit imbre lutoque

Adpersus, volet in caupona vivere; nec qui

Frigus collegit, furnos et balnea laudat

Ut fortunatam plene præstantia vitam.

Nec si te validus jactaverit Auster in alto,

Idcirco havem trans Aegæum mare vendas.

Incolumi Rhodos et Mytilene pulchra facit quod

Pænula solstitio, campestre nivalibus auris,

Per brumam Tiberis, Sextili mense caminus.

Dum licet ac vultum servat Fortuna benignum,

Romæ laudetur Samos et Chios et Rhodos absens.

Tu, quamcunque deus tibi fortunaverit horam,

Grata sume manu, neu dulcia differ in annum,

Ut, quocunque loco fueris, vixisse libenter

Te dicas; nam si ratio et prudentia curas,

Non locus effusi late maris arbiter aufert,

Cœlum non animum mutant qui trans mare currunt.

Strenua nos exercet inertia: navibus atque

Quadrigris petimus bene vivere. Quod petis hic est,

Est Ulubris, animus si te non deficit æquus.

Hor. Epp. I. 11.

2. Analyse the sentence (b.) "deinde cura humani ingenii nequivisse," and parse the nouns and verbs, accounting for case and mood.

3. Explain the use of the subjunctive mood in (a.) "crevisset animi," "quia non vicisset," "qui dicerent," (b.) "qui dicret," "proinde sequeretur," (c.) "navem . . . vendas."

4. Give the rules for the cases of (a.) "Saguntinis," "quibus," "operæ"; (b.) "specie"; (c.) "Capua," "solstitio," "Romæ," "Ulubris." Decline "imbre," "balnea," "cælum," "quadrigis."

5. Turn the sentences "se ab Jove oculos" and "Vastitatem in occulto esse" into the form of *direct speech*.

6. Give the etymology of *anceps*, *Pænus*, *Hannibal*, *discrimen*, *Jupiter*, *Italia*, *animus*, *serpens*, *bruma*, *prudencia*, *arbiter*, *cælum*, *inertia*, "quadrigis."

7. Describe the geographical position of the places mentioned or referred to in the preceding extracts.

8. What was the *unit* of the Roman army? How many men were there in it according to Livy? Give a short account of its organization, equipment and officers, both in early times and during the Punic Wars.

9. When and by whom was Carthage founded? What is the meaning of the name and the Greek form of it? Describe its constitution and the extent of its dominion at the beginning of the first war with Rome. What was the source of its prosperity and the cause of its weakness? What fact shews the rapid increase of its wealth after the second war with Rome.

10. When and where was Livy born? Over what period does his History extend? How much of it has come down to us? Enumerate the Roman Historians who preceded him. What author does he chiefly follow? He seems to have neglected many valuable sources of information which were within his reach?

11. Give a short sketch of Horace's life, with dates.

12. Translate into Latin:—Saguntum was taken with great booty in the eighth month after the commencement of the siege. Although a good deal of property had been designedly destroyed by its owners and in the assault anger had made scarcely any distinction of age, and captives were the prize of the soldiery, nevertheless it is well ascertained that a considerable sum of money was obtained from the price of the things that were sold, and that much valuable furniture and draperies were sent to Carthage.

12. Translate into Latin.—Saguntum was taken with great booty in the eighth month after the commencement of the siege. Although a good deal of property had been lawfully destroyed by its owners and in the assault enemy had made sundry and distinction of age, and captives were the price of the solitry, nevertheless it is well ascertained that a considerable sum of money was obtained from the price of the things that were sold, and that much valuable furniture and properties were sent to Carthage.
11. Give a short sketch of Horace's life, with dates.
10. What and where was Livy born? Give what period does his history extend? How much of it has come down to us? Illustrate the Roman historians who preceded him. What author does he chiefly follow? His seems to have neglected many valuable sources of information which were within his reach.
9. What was the cause of the weakness and the cause of its recovery? What has furnished the right means of its wealth after the second war with the Romans.
8. What was the end of the Roman army? How many men were there in it according to Livy? Give a short account of its organization, equipment and officers, both in early times and during the Punic Wars.
7. Describe the geographical position of the places mentioned or referred to in the preceding extracts.
6. Give the etymology of *carago*, *forum*, *liberalis*, *divitibus*, *Asinus*, *indus*, *indus*, *supra*, *indus*, *indus*, *indus*, *indus*, *indus*, *indus*, *indus*, *indus*.
5. Turn the sentences "in ab hunc", "in ab hunc", and "Vestigia" into the form of direct speech.
4. Give the rules for the cases of (a) "Saguntum", "paides", "opere"; (b) "poteo"; (c) "Capas", "solutio", "Romae", "Umbria". Decline "indus", "balneo", "indus", "indus", "indus".
3. Explain the use of the subjunctive mood in (a) "crevisset animi", "poteo non visisset", "qui dixerat", (b) "qui dixerat", "poteo non visisset", "qui dixerat", (c) "poteo non visisset", "qui dixerat", "poteo non visisset".
2. Analyze the sentence (a) "Saguntum erat parvum in agro", "pedivite", and parse the nouns and verbs, according to case and mood.

DALHOUSIE COLLEGE AND UNIVERSITY

MALFAK

REGIONAL EXAMINATIONS TEST AT THE YEAR 2
TUESDAY, APRIL 1958

GREEK-HERODOTUS BOOK I 1-2 - HOERER BOOK VI

QUESTION 1. (1) ...

QUESTION 2. (2) ...

QUESTION 3. (3) ...

QUESTION 4. (4) ...

QUESTION 5. (5) ...

QUESTION 6. (6) ...

QUESTION 7. (7) ...

QUESTION 8. (8) ...

QUESTION 9. (9) ...

QUESTION 10. (10) ...

QUESTION 11. (11) ...

QUESTION 12. (12) ...

QUESTION 13. (13) ...

QUESTION 14. (14) ...

QUESTION 15. (15) ...

QUESTION 16. (16) ...

QUESTION 17. (17) ...

QUESTION 18. (18) ...

QUESTION 19. (19) ...

QUESTION 20. (20) ...

QUESTION 21. (21) ...

QUESTION 22. (22) ...

QUESTION 23. (23) ...

QUESTION 24. (24) ...

QUESTION 25. (25) ...

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

TUESDAY, APRIL 16TH.

GREEK—HERODOTUS, BOOK I. 1-45.—HOMER, BOOK VI.

SECOND YEAR.

1. Translate:—

a. Γύγης δὲ τυραννέσας ἀπέπεμψε ἀναθήματα ἐς Δελφοὺς οὐκ ὀλίγα. ἀλλ' ὅσα μὲν ἀργύρου ἀναθήματα ἔστι οἱ πλείστα ἐν Δελφοῖς· παρέξ δὲ τοῦ ἀργύρου, χρυσὸν ἄπλετον ἀνέθηκεν ἄλλον τε καὶ, τοῦ μάλιστα μνήμην ἄξιον ἔχειν ἔστι, κρητῆρες οἱ ἀριθμὸν ἕξ χρύσειο ἀνακέαται· ἐστάσι δὲ οὗτοι ἐν τῷ Κορινθίων θησαυρῷ, σταθμὸν ἔχοντες τριήκοντα τάλαντα. ἀληθεῖ δὲ λόγῳ χρωμένῳ, οὐ Κορινθίων τοῦ δημοσίου ἔστιν ὁ θησαυρὸς, ἀλλὰ Κνυφέλου τοῦ Ἡετίωνος. Οὗτος δὲ ὁ Γύγης, πρῶτος βαρβάρων τῶν ἡμεῖς ἴδμεν, ἐς Δελφοὺς ἀνέθηκε ἀναθήματα μετὰ Μίδην τὸν Γορδῖεω, Φρυγίης βασιλέα. ἀνέθηκε γὰρ δὴ καὶ Μίδης τὸν βασιλῆϊον θρόνον, ἐς τὸν προκατίζων ἐδίκαζε, ἔοντα ἄξιοθέητον. κεῖται δὲ ὁ θρόνος οὗτος ἔνθα περ οἱ τοῦ Γύγεω κρητῆρες. Sec. 14.

b. . . . εἶρετο ὁ Κροῦσος τάδε· “Ξεῖνε Ἀθηναῖε, παρ' ἡμέας γὰρ περὶ σέο λόγος ἀπίκται πολλὸς, καὶ σοφίης εἵνεκεν τῆς σῆς καὶ πλάνης, ὡς φιλοσοφῶν γῆν πολλὴν θεωρίας εἵνεκεν ἐπελήλυθας· νῦν ὦν ἡμερος ἐπιείρεσθαι μοι ἐπῆλθε, εἰ τινα ἤδη πάντων εἶδες ὀλβιώτατον;” Ὁ μὲν, ἐλπίζων εἶναι ἀνθρώπων ὀλβιώτατος, ταῦτα ἐπειρώτα. Σόλων δὲ, οὐδὲν ὑποθωπέσας, ἀλλὰ τῷ ἔντι χρησάμενος, λέγει· “ὦ βασιλεῦ, Τέλλον Ἀθηναῖον” Αποθωνμάσας δὲ Κροῖσος τὸ λεχθὲν, εἶρετο ἐπιστρεφέως· “Κοίη δὴ κρίνεις Τέλλον εἶναι ὀλβιώτατον;” Ὁ δὲ εἶπε· “Τέλλῳ τοῦτο μὲν, τῆς πόλιος εὐ' ἡκούσης, παῖδες ἦσαν καλοὶ τε κάγαθοι, καὶ σφι εἶδε ἅσασι τέκνα ἐκγεγόμενα, καὶ πάντα παραμεινάντα· τοῦτο δὲ, τοῦ βίου εὐ' ἦκοντι, ὡς τὰ παρ' ἡμῖν, τελευτῆ τοῦ βίου λαπροτάτη ἐπεγένετο· γενομένης γὰρ Ἀθηναίοισι μάχης πρὸς τοὺς ἄστυγείτονας ἐν Ἐλευσίνι, βοήθησας, καὶ τροπὴν ποιήσας τῶν πολεμίων, ἀπέθανε κάλλιστα. καὶ μιν Ἀθηναῖοι δημοσίῃ τε ἔθαψαν αὐτοῦ τῆπερ ἔπεσε, καὶ ἐτίμησαν μεγάλως. Sec. 30.

c. Τὴν δ' ἡμείβετ' ἔπειτα μέγας κορυθαίολος Ἔκτωρ.
μή μοι οἶνον ἄειρε μελίφρονα, πότνια μήτηρ.
μή μ' ἀπογνώσῃς, μένος δ' ἀλκῆς τε λάθωμαι.
χερσὶ δ' ἀνίπτουσι Διὶ λείβειν αἰθοπᾶ οἶνον
ἄζομαι· οὐδέ πη ἔστι κελαϊνεφεῖ Κρονίωνι
αἵματι καὶ λύθρῳ πεπαλαγμένον εὐχετάσθαι.
ἀλλὰ σὺ μὲν πρὸς νῆδον Ἀθηναίης ἀγελεύεις
ἔρχεο σὺν θύεσσι, ἀολλίσσασα γεραίας·
πέπλον δ', ὅστις τοι χαριέστατος ἤδὲ μέγιστος
ἔστιν ἐνὶ μεγάρῳ, καὶ τοι πολλὸ φίλτατος αὐτῆ,
τὸν θεὸς Ἀθηναίης ἐπὶ γούνασιν ἠνικόμοιο,
καὶ οἱ ὑποσχέσθαι δνοκαῖδεκα βούς ἐνὶ κηῷ
ἦνις ἡκέστας ἱερευσόμεν, αἱ κ' ἐλέησῃ

ἄστυ τε καὶ Τρώων ἀλόχους καὶ νήπια τέκνα·
 αὐ κεν Τυδέος υἷον ἀπόσχη Ἴλιου ἱρήσ,
 ἄγριον αἰχμητῆν, κρατερὸν μήστωρα φόβοιο. 263-278.

2. There are two explanations of the construction of the sentence (a) ἄλλ' ὅσα μὲν ἀργύρου κ.τ.λ. What is the full force of the clauses (a) ἐς τὸν προκατίζων ἐδίκαζε,—(b) εἰ τινα ἤδη κ.τ.λ. ?

3. Explain the construction of these sentences:—(a) ἀνέθηκεν ἄλλον τε καὶ . . . κρητῆρες οἱ ἀριθμὸν ἐξ κ.τ.λ.—σταθμὸν ἔχοντα τριήκοντα τάλαντα.—ἀλήθει δὲ λόγῳ χρωμένῳ.—τῶν ἡμεῖς ἴδμεν. (b) Τέλλῳ τοῦτο μὲν, τῆς πόλιος εὐ ἠκούσης, παῖδες ἦσαν.—τοῦτο δὲ, τοῦ βίου εὐ ἤκοντι, κ.τ.λ.—(c) μή . . . ἄειρε μή μ' ἀπογυῖωσης, μένεος δ' . . . λάθωμαι.—ἀπόσχη Ἴλιου.

4. Parse and give the Attic forms of the following nouns, adjec. and verbs with the principal parts of the latter:—(a) ἀνακάται, ἴδμεν:—(b) εἶρετο, ἀπῖκται, πολλός, τῆπερ, ἔπεσσε:—(c) πεπαλαγμένον, θνέεσσι, θές, γούνασιν, ἱερέεσμεν, ἱρήσ, φόβοιο: Write out the 2 Aor. Act. and Mid., and 1st Aor. Pass. in all the moods of these verbs:—τίθημι, ἴημι, ἄιρω, ὄρω, φαίνω, ἔχω.

5. Derive (a) ἀργύρου, ἀπλετον, κρητῆρες:—(b) θεωρίας:—(c) κορυθαίολος, ἀνίπτοισι, αἰθοπα, κελαινεφέι, ἦνις, ἠέστας, νήπια, ἄγριον, μήστωρα.

6. Scan the first five lines of extract (c). Why is the final syllable of αἰθοπα not elided? Account for the quantities of the syllables—μαι, πη, (267), καὶ (272), καὶ οἱ (274).

7. What is the general rule for the accentuation of nouns of the third declin? Give a list of the *Atonics* and *Euclitics*. Why have καὶ (272) and καί (274) different accents? Mention some words which are distinguished only by their accent.

8. What are the rules for the use of *Mood* and *Tense* in prohibitions? By what *Tenses* may general statements be made? What force has the Article in Homer and Herodotus? It has sometimes the same force in Attic Greek? Distinguish πάντα τὰ θυσίμα, τὰ πάντα θυσίμα.

9. Under what conditions may the *Participle* be used predicatively after verbs (1) in the Nom., (2) in oblique cases? What construction in Latin corresponds to this? Mention the other relations expressed by the Participles. Distinguish αἰσχίνομαι ποιῶν, αἰσχίνομαι ποιεῖν.

10. Write a brief account of the life of Herodotus. What allusion does he make to Homer? Mention some of the objections against considering the Iliad and Odyssey to be the works of the same author. What poets completed the story of the Trojan war?

11. Translate into Greek:—Afterwards the Lydians came carrying the dead body; but behind it followed the murderer. Then standing in front of the corpse, he gave himself up to Croesus, stretching forth his hands and bidding him to kill him upon the body; mentioning both his former misfortune and that in addition to it he had destroyed his purifier.

DALHOUSIE COLLEGE

1882-1883

1. There are two applications of the construction of the sciences (a) ... (b) ...
2. Explain the construction of these sentences:—(a) ... (b) ...
3. Parse and give the Latin form of the following nouns, adjectives, and verbs with the principal parts of the latter:—(a) ... (b) ...
4. Parse (a) ... (b) ...
5. Parse the first two lines of extracts (c). Why is the final syllable of ...
6. What is the general rule for the accentuation of nouns of the third declension? Give a list of the nouns and adjectives. Why have the ... and the ...? Mention some words which are distinguished only by their accent.
7. What are the rules for the use of *hic* and *iste* in postpositive? By what laws may general statements be made? What force has the Article in Homer and Virgil? If in some cases the same force is ...
8. Under what conditions may the *pro* be used postpositively after verbs (1) in the *Gen.* (2) in oblique cases? What construction in Latin corresponds to this? Mention the other relations expressed by the *pro*.
9. Write a brief account of the life of Cicero. What allusion does he make to Homer? Mention some of the objections against ... stating the *hic* and *iste* to be the words of the same author. What poets completed the story of the Trojan war?
10. Translate into Greek:—Afterwards the Romans came carrying the dead body, but behind it followed the standard. Then standing in front of the corpse he gave himself up to Cato, stretching forth his hands and bidding him to fill his own hands with the body, mentioning both his former misfortune and that he had not destroyed his father.

PROBLEMS AND QUESTIONS

PROFESSOR C. M. WOODRIDGE, M.A., F.R.S., F.R.A.S., F.R.C.S.

1. If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the segments of the base shall be as the sides containing another that the other sides of the triangle have; and conversely.
2. Similar triangles are to one another in the duplicate ratio of their homologous sides.
3. In right-angled triangles the rectangular figure described on the hypotenuse is equal to the similar and similarly described figures on the other two sides.
4. If three straight lines meet at a point and a straight line stand at right angles to each of them at that point, the lines which are drawn in one plane and the same plane.
5. If two planes which cut one another, be each of them perpendicular to a third plane, their common section shall be perpendicular to the same plane.
6. If chords in a circle pass through a common point, and the centre of the circle be bisected by one of the chords, which is perpendicular to the other chord, the segments of the chords are equal.
7. If the base of a triangle be fixed, the vertex moves in a straight line, the locus of which the base is drawn from the angles to which the sides are also fixed, shall also move in a straight line.
8. From a given straight line cut off an arbitrary part by a line parallel to one of the sides.
9. If a and b are the parallel sides of a trapezoid and p the perpendicular height, the area is $\frac{1}{2}(a+b)p$.
10. An arc of 60° in one circle is equal in length to an arc of 120° in another; compare the areas of the circles.
11. A mill-wheel has a radius of 10 ft. and the circumference moves at the rate of 10 ft. per second; find the circumferential velocity of the rim, and the rate of the circumference in one hour, and reduce it to angular measurement.
12. The radius of the base of a right circular cone is 4 inches, and the height is 3 inches; find the surface and solidity of the cone.
13. In a given square another is inscribed, having its angles at the mid-points of the sides; in the another square is similarly inscribed, and so on forever. The sum of the areas of the inscribed squares is equal to the area of the given square.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

WEDNESDAY, APRIL 17, 9 A.M. TO 12 NOON.

MATHEMATICS.—SECOND YEAR.

GEOMETRY AND MENSURATION.

PROFESSOR C. MACDONALD, M. A. *Examiner.*

1. If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the segments of the base shall have the same ratio to one another that the other sides of the triangle have; and conversely.
2. Similar triangles are to one another in the duplicate ratio of their homologous sides.
3. In right-angled triangles the rectilineal figure described on the hypotenuse is equal to the similar and similarly described figures on the other two sides.
4. If three straight lines meet at a point and a straight line stand at right angles to each of them at that point, the three straight lines are in one and the same plane.
5. If two planes which cut one another be each of them perpendicular to a third plane, their common section shall be perpendicular to the same plane.
6. If chords in a circle pass through a common point, not the centre, the tangents at their extremities will meet in a straight line, which is parallel to the chord that is bisected in the point.
7. If, the base of a triangle being fixed, the vertex move in a straight line, the point in which the lines drawn from the angles to bisect the opposite sides meet, shall also move in a straight line.
8. From a given triangle cut off an n th part by a line parallel to one of the sides.
9. If a, b be the parallel sides of a trapezoid and p the perpendicular breadth, prove $\text{Area} = (a + b) \frac{p}{2}$.
10. An arc of 60° in one circle is equal in length to an arc of 72° in another; compare the areas of the circles.
11. A mill-wheel has a radius of 40 ft., and the circumference moves at the rate of 10 ft. per second; find the circular measure of the arc described by a point in the circumference in an hour; and reduce it to angular measurement.
12. The radius of the base of a right cone is 3 inches, and the height $6\sqrt{2}$; find the surface and solidity of the cone.
13. In a given square another is inscribed, having its angles at the mid-points of the sides; in this another square is similarly inscribed, and so on for ever. The sum of the areas of the inscribed squares is equal to the area of the given square.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

WEDNESDAY, APRIL 17, 3 TO 5.30 P. M.

MATHEMATICS.—SECOND YEAR.

TRIGONOMETRY AND ALGEBRA.

PROFESSORS C. MACDONALD, & M. A. *Novice*. *Examiners*

1. Prove $\sin A = \sin (180^\circ - A)$, $\cos A = -\cos (180^\circ - A)$, $\sin A = -\sin (-A)$, and $\cos A = \cos (-A)$, and deduce the corresponding relations of the other four functions of A .
2. Prove $\operatorname{cosec} 2A + \cot 2A = \cot A$: and $\frac{\sin A + \sin 3A}{\cos A + \cos 3A} = \tan 2A$.
3. Prove $\sin (n + 1)A = 2 \sin nA \cos A - \sin (n - 1)A$, and give the similar formula for $\cos (n + 1)A$. Shew the practical importance of these expressions.
4. Given $2 \sin^2 x - 5 \cos x - 4 = 0$; find x .
5. Given two sides and the included angle of a plane triangle: prove the main formula on which the solution of this case depends, and apply it to find the other parts of the triangle.
6. If $A + B + C = 90^\circ$, shew that $\sin A + \sin B + \sin C = 4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}$.
7. If a, b, c are the sides of a triangle, A, B, C being the angles opposite, prove $\cos A = \frac{b^2 + c^2 - a^2}{2bc}$.
8. In a piece of even ground, and with only a measuring line, a person wishes to find the distance of a visible but inaccessible object. How should he proceed?
9. The inscribed circle of a triangle touches the sides a, b, c in D, E, F . Join these points and investigate the area of the triangle DEF .
10. Expand by the Binomial Theorem $\left(\frac{b+x}{a}\right)^{\frac{1}{2}}$ and find the middle term of $\left(x^2 - \frac{1}{x^2}\right)^{10}$.
11. When n is a positive integer, the number of terms in the expansion of $(a+x)^n = n+1$: in other cases it is infinite.
12. The odd combinations of n things exceed the even combinations, whatever the value of n .
13. Three cents are to be tossed twice. Find the odds against their all turning up the same the second time as well as the first?
14. Find the present value of an annuity of $\pounds A$, to last for n years, r being the rate per cent.
15. Prove that the difference between an odd number and its cube is divisible by 12, without remainder.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 9 A.M.

LOGIC AND PSYCHOLOGY.—SECOND YEAR.

PROFESSOR WILLIAM LYALL, LL. D. *Examiner.*

1. What faculties in Sir Wm. Hamilton's classification of the Mental Powers correspond with the Intuitions and the Laws of mind ?
2. What functions do the Intuitions and the Laws of mind respectively fulfil in the mental processes ?
3. How may the Percipient process be accounted for, or explained ? What grand principle may be said to divide the theories that have been formed on the subject of Perception ? What is Realism, and what Constructive or Cosmothetic Idealism ?
4. What are the practical processes of mind ? Give some account of them.
5. How is Logic divided as a Science ?
6. Of what does "Stoicheiology" treat ? Distinguish between the processes and the products of thought.
7. In what two quantities may Concepts be regarded ?
8. What are Judgments as distinguished from Concepts ?
9. What are the Quantity and Quality of Judgments ? and by what symbols are they designated according to these ?
10. What are Identical or Convertible Judgments, and of what kind of conversion do Judgments which are not identical admit ? What takes place in conversion as respects subject and predicate ?
11. Of what different parts does a Syllogism consist ?
12. What are the containing and contained terms in a Syllogism in the different quantities, and how are the premises designated according to the position of the terms in them ?
13. How are Syllogisms divided, and according to what fundamental laws of thought ?
14. Give an example of the Disjunctive Syllogism in "modo ponente tollens," and in "modo tollente ponens." Give an example of the Hypothetical Syllogism in "modo ponente," and in "modo tollente."
15. State the object of the several figures of the Syllogism. Why must the conclusion in the second figure be negative, and in the third figure particular ?
16. In what figure are the Syllogisms A. E. E., E. I. O., A. O. O., and how may they be reduced ?
17. Enumerate the fallacies, "in dictione," and "extra dictionem."
18. What are the three attributes of Logical Perfection ? Under what division of Logic are these treated ?
19. What is Analysis, and what Synthesis, and how may they be viewed as convertible with each other ?
20. What character of the Logical perfection of thought does Definition secure ? What, Division ? Give the rules of each.

LOGIC AND PSYCHOLOGY—SECOND YEAR.

PROFESSOR WILLIAM LITTLE, JR., D. D. Examinator.

1. What faculties in St. Wm. Hamilton's classification of the Mental Powers correspond with the functions and the laws of mind?
2. What faculties do the functions and the laws of mind respectively fulfil in the mental processes?
3. How may the Function process be accounted for or explained? What general principle may be said to divide the theories that have been formed on the subject of Positivism? What is Idealism, and what Constitutive or Cosmologic Idealism?
4. What are the practical processes of mind? Give some account of them.
5. How is Logic divided as a Science?
6. Of what does "Sociobiology" mean? Distinguish between the processes and the products of thought.
7. In what two quantities may Concepts be regarded?
8. What are Judgments as distinguished from Concepts?
9. What are the Quantity and Quality of Judgments? and by what symbols are they designated according to these?
10. What are Identical or Constitutive Judgments, and of what kind of conversion do Judgments which are not identical admit? What takes place in conversion as respects subject and predicate?
11. Of what different parts does a Syllogism consist?
12. What are the containing and contained terms in a Syllogism in the different quantities, and how are the premises designated according to the position of the terms in them?
13. How are Syllogisms divided, and according to what fundamental laws of thought?
14. Give an example of the Distributive Syllogism in "modo ponens tollens", and in "modo tollens ponens". Give an example of the Hypothetical Syllogism in "modo ponens", and in "modo tollens".
15. State the object of the several figures of the Syllogism. Why must the conclusion in the second figure be negative, and in the third figure particular?
16. In what figure are the Syllogisms A. E. E., E. I. O., A. O. O., and how may they be reduced?
17. Enumerate the fallacies, "in dictione", and "extra dictionem".
18. What are the three attributes of Logical Inference? Under what division of Logic are these treated?
19. What is Analysis, and what Synthesis, and how may they be viewed as convertible with each other?
20. What character of the Logical perfection of thought does Definition secure? What Division? Give the rules of each.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

FRIDAY, APRIL 12, 9 A. M.

JUNIOR CHEMISTRY.

PROFESSOR GEORGE LAWSON, LL.D. & J. L. DUNNE... *Examiners*

1. Explain the precise meaning of the following terms: (1) Element, (2) Equivalent Number, (3) Oxide, (4) Acid, (5) Base, (6) Alkali, (7) Salt, (8) Metal, (9) Alloy, (10) Amalgam.
2. Find the equivalent numbers respectively of $(\text{CaO}, \text{SO}_3)$, and $(\text{CaO}, \text{SO}_3, 2 \text{HO})$.
3. In what way are the following metals affected by Nitric Acid: Pb, Ag, Cu, Hg, Sn, Sb.
4. Describe Oxygen, (1) as to its discovery, (2) mode of preparation, (3) physical characters, (4) chemical properties, (5) in relation to animal life.
5. How much Phosphoric Acid is contained respectively in 25 grains of $(3 \text{CaO}, \text{PO}_5)$; 25 grains of $2 \text{MgO}, \text{NH}_4\text{O}, \text{PO}_5 + 14 \text{HO}$; 25 grains of $(2 \text{MgO}, \text{PO}_5)$.
6. Describe the preparation and properties of Chlorine, and also of Hydrochloric Acid.
7. What is the chemical nature of the process of Respiration?
8. Point out the chemical differences between the following processes: (1) Eremacausis, (2) Putrefaction, (3) Fermentation, (4) Acetification.
9. Define Heat, Light, Electricity, Magnetism, Chemical Affinity, and Mechanical Force, and point out the mutual relations of different kinds of Force.
10. What are the properties of Hydrogen, and how is it prepared. Describe generally some of the more important compounds which it forms.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 9 A.M. TO 1 P.M.

LATIN.—THIRD YEAR.

TERENCE: HEAUTONTIMORUMENOS.—HORACE: ARS POETICA.
VIRGIL: GEORGICS, BOOK I.

PROFESSOR: JOHNSON, M.^c A. B. J. H. V. R. Examiners

1. Translate:

- a. *Chremes*. Luciscit hoc jam : cesso pultare ostium
Vicini, primum ex me ut sciat sibi filium
Redisse? Etsi adolescentem hoc nolle intelligo.
Verum quum videam miserum hunc tam excruciarier,
Ejus abitu, celem tam insperatum gaudium,
Cum illi pericli nihil ex indicio siet?
Haud faciam : nam, quod potero, adjutabo senem ;
Ita ut filium meum amico atque æquali suo
Video inservire, et socium esse in negotiis ;
Nos quoque senes est æquum senibus obsequi.
Heaut. III. 1. 1-10.
- b. *Syrus*. Nisi me animus fallit, haud permultum a me aberit infortunium :
Ita hac re in angustum oppido nunc meæ coguntur copiæ ;
Nisi aliquid video ne esse amicam hanc gnati resciscat senex.
Nam quod de argento sperem, aut posse postulem me fallere,
Nihil est ; triumpho si licet me latere tecto abscedere.
Crucior, bolum tantum mihi ereptum tam de subito e faucibus.
Quid agam ? aut quid commiscar ? ratio de integro ineunda est mihi ;
Nihil tam difficile est quin quærendo investigari possiet.
Quid si hoc hunc sic incipiam ? Nihil est. Quid si sic ? Tantundem egero.
At sic opinor. Non potest. Imo optime. Euge, habeo optimam.
Retraham hercle opinor ad me idem illud fugitivum argentum tamen.
Heaut. IV. 2.
- c. Carmine qui tragico vilem certavit ob hircum
Mox etiam agrestes Satyros nudavit, et asper
Incolumi gravitate jocum tentavit ; eo quod
Illecebris erat et grata novitate morandus
Spectator, functusque sacris, et potus, et exlex.
Verum ita risores, ita commendare dicaces
Conveniet Satyros, ita vertere seria ludo,
Ne quicumque deus, quicumque adhibebitur heros
Regali conspectus in auro nuper et ostro,
Migret in obscuras humili sermone tabernas ;
Aut, dum vitat humum, nubes et inania captet. A. P. 220-230.
- d. Nec minus ex imtri soles et aperta serena,
Prospicere et certis poteris cognoscere signis :
Nam neque tum stellis acies obtunsa videtur,

Nec fratris radiis obnoxia surgere Luna,
 Tenuia nec lanæ per cœlum vellera ferri;
 Non tepidum ad solem pennas in litore pandunt
 Dilectæ Thetidi alcyones, non ore solutos
 Immundi meminere sues jactare maniplos.
 At nebulae magis ima petunt campoque recumbunt,
 Solis et occasum servans de culmine summo
 Nequiquam serēs exercet noctua cantus. Georg. I. 393-403.

2. Distinguish *pultat ostium* from *crepat ostium* and give the corresponding Greek terms. Explain the meaning of line 396 in extract (c) and the allusion in line 399. Write explanatory notes on A. P. lines 220-1, 224, 207-210.

3. a. Explain the construction of "Luciscit hoc," "celem," "illi periculi nihil," "quod . . sperem," "postulem fallere," "Quid agam,"—"potus"—"vellera ferri."

b. Account for these forms, *siet, faxit, excruciarier, perduint, opperberz.*

4. Give the etymology of "oppido," "argentum," "bolum"—"Satyros"—"Maniplos," "vellera," "stella,"—*Scilicet, Epol, eccum, vidua, sodes, sedulo, istic.*—*Scilicet* seems to be used in its original force in some passages in Terence?

5. Mention words in Greek *akin* to:—*Animus, gnatus, comminiscor, deus, nuper, humilis, cognoscere, frater, tenuis, nebulae, magis, cœlum, sol.*

6. What is the earliest extant specimen of Latin? In what metre is it written? Distinguish *metrical* from *natural accent* and give the rules for the latter in Latin. What metres are chiefly used in Terence?

7. State the reasons for the belief that Latin was not generally spoken as it is written. This fact explains certain difficulties in the scansion of Terence's Plays?

8. Enumerate the different classes of Roman Plays. To which do the plays of Terence belong? What writers did he imitate and borrow from? Name his plays, giving the date of the first and the last. Horace mentions the time when the Greek drama was introduced at Rome?

9. Translate into Latin: Upon Socrates being asked whether he did not consider King Archelaus, the son of Perdiccas, who was held to be the most fortunate man of his time, a happy man, "I do not know," he replied, "for I have never conversed with him." "Can you not then say even of the great King of the Persians, whether he is happy?" "How can I," he replied, "when I do not know how good a man he is, or how learned?" "What! do you think a happy life consists in such qualities?" "Yes; I fully believe that the good are happy; the wicked miserable."

DALHOUSIE COLLEGE AND UNIVERSITY

HALLEAX

SESSIONAL EXAMINATIONS, 1921

GRACE - [REVEREND] THEOLOGICAL INSTITUTE

1921-22

I. Theology - [Faint text describing the first part of the examination]

II. [Faint text describing the second part of the examination]

III. [Faint text describing the third part of the examination]

IV. [Faint text describing the fourth part of the examination]

V. [Faint text describing the fifth part of the examination]

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

TUESDAY, APRIL 16TH.

GREEK.— { EURIPIDES: HIPPOLYTUS.
AESCHYLUS: PROMETHEUS VINCTUS.

THIRD YEAR.

1. Translate:—

- α. ΦΑ. αἰᾶ·
* πῶς ἂν ὄροσερᾶς ἀπὸ κρηνίδος
καθαρῶν ὑδάτων πῶμ' ἀρυσάιμαν,
ὑπὸ τ' αἰγείροις ἐν τε κομήτῃ
λειμώνι κλιθεῖσ' ἀναπανσάιμαν.
- ΤΡ. ὦ παῖ, τί θροεῖς;
οὐ μὴ παρ' ὄχλω τάδε γηρύσει,
μανίας ἐποχον ῥίπτουσα λόγον;
- ΦΑ. πέμπετε μ' εἰς ὄρος· εἶμι πρὸς ὕλαν
καὶ παρὰ πεύκας, ἵνα θηροφόνοι
στείβουσι κύνες,
βαλῆαις ἐλάφοις ἐγχρημπτομένα
πρὸς θεῶν, ἔραμαι κνσὶ θωῆξαι,
καὶ παρὰ χαιταν ξανθὴν ῥίψαι
Θεσσαλὸν ὄρπακ', ἐπίλογχον ἔχουσ'
ἐν χειρὶ βέλος.
- ΤΡ. τί ποτ', ὦ τέκνον, τάδε κηραίνεις;
[τί κνηγεσιῶν καὶ σο. μελέτη;]
* τί δὲ κρηναίων νασμῶν ἔρασαι;
* πάρα γὰρ ὄροσερὰ πυργοῖς συνεχῆς
κλιτῆς, ὅθεν σοι πῶμα γένοιτ' ἂν.
- ΦΑ. δέσποιν' ἄλιας Ἄρτεμι Λίμνας
καὶ γυμνασιῶν τῶν ἵπποκρότων,
* εἶθε γενοίμαι ἐν σοῖς δαπέδοις,
πῶλονς Ἐνέτας θαμαλιζομένα. Hipp. 209-231.
- β. ΙΙΙ. ἐγὼ δ' ἄκομψος εἰς ὄχλον δοῦναι λόγον,
εἰς ἥλικας δὲ κώλιγος σοφώτερος.
ἔχει δὲ μοῖραν καὶ τόδ'· οἱ γὰρ ἐν σοφοῖς
φαῦλοι παρ' ὄχλω μουσικώτεροι λέγειν.
ὁμως δ' ἀνάγκη, ξυμφορᾶς ἀφιγμένης,
γλώσσάν μ' ἀφείναι. πρῶτα δ' ἄρξομαι λέγειν
ὅθεν μ' ἐπῆλθεσ πρώτον ὡς διαφθερῶν,
* κοῦκ ἀντιλέξοντ'. εἰσορᾶς φάος τότε
καὶ γαῖαν; ἐν τοῖσδ' οὐκ ἔνεστ' ἀνὴρ ἐμοῦ,
οὐδ' ἦν σὺ μὴ φῆς, σωφρονέστερος γεγώς.
ἐπίσταμαι γὰρ πρῶτα μὲν θεοῖς σέβειν,
φίλοις τε χρῆσθαι, μάδικεῖν πειρωμένους,
ἀλλ' οἷσιν αἰδῶς μήτ' ἐπαγγέλλειν κακὰ
μήτ' ἀνθυπουργεῖν αἰσχροῖς τοῖσι χρωμένους·
οὐκ ἐγγελαστῆς τῶν ὀμιλούντων, πάτερ,
ἀλλ' αὐτὸς οὐ παροῦσι κᾶγγυς ὢν φίλοις.

c.

ΠΡ. Ἐλαφρὸν ὅστις πημάτων ἔξω πόδα
 ἔχει παραινῆν νομβεῖν τε τὸν κακῶς
 πράσσοντ'· ἐγὼ δὲ ταῦθ' ἅπαντ' ἠπιστάμην
 ἔκων ἔκων ἡμαρτον, οὐκ ἀνήσομαι
 θνητοῖς δ' ἀρήγων αὐτὸς ἠρόμην πόνους.
 οὐ μὴν τι ποιναῖς γ' ὄβριμν τοιαῖσι με
 κατισχναεῖσθαι πρὸς πέτραις πεδαρσίοις,
 τυχόντ' ἐρήμων τοῦδ' ἀγείτονος πάγου.
 καὶ μοι τὰ μὲν παρόντα μὴ δῦρεσθ' ἄχη,
 πέδοι δὲ βᾶσαι τὰς προσερούσας τύχας
 * ἀκούσαθ', ὡς μάθητε διὰ τέλους τὸ πᾶν.
 πίθεσθέ μοι, πίθεσθε, συμπονήσατε
 τῷ νῦν μογούντι. ταῦτά τοι πλανωμένη
 πρὸς ἄλλοτ' ἄλλον πημονῇ προσιζάνει. *Prom. V. 263-276.*

2. Two meanings have been given to *ἐποχον* (214) taken from different derivations? What is the force of *καὶ* (224). What is peculiar about *κνηγεσίων*? A word required to give the proper meaning seems to be omitted in line 997? What is the obvious sense of the passage as it stands? *τοῖσι χρωμένοις* may be translated in two ways? A different construction might have been expected in line 1001. What is the meaning of the different reading *ἀπαγγέλλειν* (998)?

3. Parse the lines marked with an asterisk, giving the rules for case and mood. Explain the construction of *οὐ μὴ τάδε γηρύσει*, and distinguish it from *οὐ μὴ τάδε γηρύσει*.

4. Give the rules for the use of the Moods in *Final clauses*. Account for the exceptions to the rules. Different Moods sometimes follow the same principal sentence; distinguish their meaning. Explain the use of the Moods in sentences introduced by *ὅτι* and that other constructions were employed in the same relation?

5. Distinguish the meanings of *ὅς ποιεῖ*, *ὅς ποιῆ*, *ὅς ἂν ποιῆ*, *ὅς ἂν ποιήσῃ* *ὅστις ποιεῖ*. What is the difference between *εἰ καί*, *καὶ εἰ*? Distinguish *ὅστε* with *Infin.* and *ὅστε* with *Indic.*:—*ὃ οὐ πιστεύων* and *ὃ μὴ πιστεύων*.

6. Draw up a scheme of the Tragic Iambic Senarius. Which are the chief *caesuras* in this metre? When must the fifth foot be an Iambus? Scan lines 209-214, 986-990.

7. A Grecian tragedy consists of two distinct parts; point out and account for their differences. When were new tragedies only exhibited at Athens? What is meant by *Deus ex machina*? Describe the entrance of the chorus into the theatre. How was a Grecian play divided?

8. When and where was Aeschylus born? Name his extant plays. Three of them form a Trilog? *Prometheus Vincetus* was the middle play of another? What improvements in the drama does Horace attribute to Aeschylus?

9. Translate into Greek:—During the reign of Croesus there came to Sardis Solon an Athenian, who having made laws for the Athenians at their request, absented himself for ten years, having sailed away under pretence of seeing the world, that he might not be compelled to abrogate any of the laws he had established: for the Athenians could not do it themselves, since they were bound by solemn oaths to observe for ten years whatever laws Solon should enact for them.

The C. S. G.

A. W. J. Lindzey

A. W. J. Lindzey

A. W. H. I. E. E.

ABCDEF

A. H. B. Lindsay

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 11, 9 A. M. to 1 P. M.

MATHEMATICAL PHYSICS.

PROFESSOR C. MACDONALD AM. F. A. C. M. *Examiners*

1. If forces P and Q act at a point and R be their resultant, prove $R^2 = P^2 + Q^2 + 2 PQ \cos (P, Q)$.

2. State and prove the *Polygon of forces*.

3. Find the direction and magnitude of any number of forces acting at a point in a plane, and deduce the conditions of equilibrium.

4. Show geometrically how to find the centre of gravity of any number of material particles.

5. A string stretched horizontally can never be pulled quite straight.

6. The arms of a lever of 1st kind, without weight, are 10 and 5 inches respectively, and their angle of inclination to each other 120° . A weight of 12 lbs. is attached to the end of the shorter: find what weight at the other end of the lever will keep the longer arm horizontal.

7. Explain the use of Atwood's machine. If $P = 33$, $Q = 31$, find f , and the space described in 3 seconds.

8. Prove that the spaces described in successive seconds by a body falling freely from rest, are as 1, 3, 5, . . . $2n-1$.

9. Prove the formula for centrifugal force, in circular motion, $f = \frac{v^2}{r}$ and shew that at the Equator, $f = .11126$ ft. Compare this with the force of gravity there.

10. An elastic body dropped on a horizontal plane, rebounds so that the successive heights are in geometrical progression.

11. Find the centre of pressure of a rectangular flood-gate, the water being supposed to reach its upper edge.

12. 1 lb. of water at 212° , is mixed with 2 lbs. ice at 20° F.; find how much of the ice is melted.

13. The dimensions of a rectangular vat are a, b, c , ft. in length, breadth and depth, respectively. Compare the pressures on the bottom and sides.

14. A uniform beam (weight, W), leaning on a smooth vertical wall, rests on a rough level surface, (friction, m), and is kept from sliding, partly by friction and partly by the tension of a string, which breaks with the tension T , fastened to its lower end, and to the bottom of the wall directly under the point at which it leans. If x be the angle of the beam with the horizontal, prove $\tan. x$ greater than $\frac{W}{2(mW + T)}$

15. After n strokes of the piston in Smeaton's air pump, the height of the mercury in the gauge is h' . If h be the height of the Barometric column, v the cubic content of the barrel, and V that of the receiver, prove

$$\log\left(1 + \frac{v}{V}\right) = \frac{\log h - \log h'}{n}$$

16. Two bodies, A and B, with velocities V and V' and whose mutual elasticity $e = \frac{1}{2}$, moving in opposite directions, make a direct impact, B's velocity being 3 times that of A. Prove that A will stop if its mass = 5 times that of B, and B will stop if their masses are equal.

A.B.C.D.E.F.H.K :: L.M.N.O.P.Q.R.S.W :: H.I
∴ $\frac{AL}{A} = \frac{WH}{I}$

DALHOUSIE COLLEGE AND UNIVERSITY

HALIFAX

SESSIONAL EXAMINATIONS, 1941

TUESDAY, APRIL 16, 9 A.M. to 1 P.M.

MATHEMATICAL PHYSICS

Professor G. Macdonald M.A. C.M.B. Examinations

1. M forces P and Q act at a point and R be their resultant. Prove $R^2 = P^2 + Q^2 + 2PQ \cos(\theta)$.
2. Show and prove the Law of Conservation of Energy.
3. Find the direction and magnitude of any number of forces acting at a point in a plane, and deduce the conditions of equilibrium.
4. Show geometrically how to find the centre of gravity of any number of material particles.
5. A rigid stretched horizontally can never be pulled quite straight.

6. The arms of a lever of the kind, without weight, are 10 and 5 inches respectively, and their angle of inclination to each other is 120° . A weight of 12 lbs. is attached to the end of the shorter, and what weight at the other end of the lever will keep the longer arm horizontal.

7. Explain the use of Atwood's machine. If $P = 32$, $Q = 21$, find λ and the space described in 2 seconds.

8. Prove that the space described in successive seconds by a body falling freely from rest, are as $1, 3, 5, \dots, 2n-1$.

9. Prove the formulae for centrifugal force, in circular motion, $v = \omega r$ and show that at the Equator $v = 4112$ ft. Compare this with the force of gravity there.

10. An elastic body dropped on a horizontal plane rebounds so that the successive heights are in geometrical progression.

11. Find the centre of pressure of a rectangular block gate, the water being exposed to each of its upper edges.

12. 1 lb. of water at 32° , is mixed with 2 lbs. ice at 32° ; find how much of the ice is melted.

13. The dimensions of a rectangular vat are a, b, c, d , in length, breadth and height, respectively. Compare the pressures on the bottom and sides.

14. A uniform beam (weight W), leaning on a smooth vertical wall, rests on a rough level surface (friction μ), and is kept from sliding partly by friction and partly by the tension of a string, which breaks with the tension T , fastened to its lower end, and to the bottom of the wall directly under the point at which it leans. If α be the angle of the beam with the

$$\text{horizontal, prove that } \alpha \text{ is greater than } \frac{2}{\mu} \frac{(aW + T)}{a}$$

15. After a stroke of the piston in Sturtevant's air pump, the height of the mercury in the gauge is W . If h be the height of the barometric column, the cubic content of the barrel, and V that of the receiver, prove

$$\log \left(1 + \frac{v}{V} \right) = \frac{v}{a} (\log h - \log W)$$

16. Two bodies A and B, with velocities V and V' and whose mutual elasticity $e = \frac{1}{2}$, moving in opposite directions, make a direct impact. B's velocity being 3 times that of A. Prove that A will stop if its mass = 2 times that of B, and B will stop if their masses are equal.

A.B.C.D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.W.X.Y.Z

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 3 P. M.

EXPERIMENTAL PHYSICS.

VERY REV. PRINCIPAL ROSS, D.D.....*Examiner.*

1. What are the uses of hypotheses in Experimental Physics?
2. What is the first problem in Physical Science?
3. Explain the nature of Statical forces.
4. From what standard are units of mass, weight, and length, derived?
5. How can we determine the amount of matter contained in a body which weighs 1 lb.?
6. Explain the superposition of Equilibrium.
7. How can the centre of gravity be ascertained experimentally?
8. Explain the principle of Virtual Velocities.
9. What constitutes a Statical couple?
10. What are the qualities of a good balance, and how can they be ascertained?
11. By what method is it possible to weigh correctly with a false balance?
12. Explain the principle of the Differential Screw.
13. In what relation is force considered in the Science of Dynamics?
14. Explain the nature of the *vis viva* and give the law by which its amount is determined.
15. State the law of falling bodies discovered by Galileo.
16. What is the line of quickest descent between two points at different heights, and in different vertical lines?
17. In a rod of uniform thickness, at what point is the centre of percussion?
18. The dynamical effect of forces are proportional to their statical effects.
19. Prove Centrifugal Force to be a consequence of Inertia.
20. Give Kepler's third law of planetary motion.

EXPERIMENTAL PHYSICS

VERY REV. FRANCIS BOSE, D.D., Examiner

1. What are the uses of hypothesis in Experimental Physics?
2. What is the first problem in Physical Science?
3. Explain the nature of Statical forces.
4. From what standard are units of mass, weight and length derived?
5. How can we determine the amount of matter contained in a body which weighs 1 lb.?
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7. How can the centre of gravity be ascertained experimentally?
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15. State the law of falling bodies discovered by Galileo.
16. What is the law of quickest descent between two points at different heights, and in different vertical lines?
17. In a rod of uniform thickness, at what point is the centre of percussion?
18. The dynamical effect of forces are proportional to their statical effect.
19. Prove Centrifugal force to be a consequence of Inertia.
20. Give Kepler's third law of planetary motion.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 9 A. M.

METAPHYSICS AND ESTHETICS.—THIRD YEAR.

PROFESSOR WILLIAM LYALL, LL. D. *Examiner.*

1. What is the special department of Metaphysics ?
2. To the solution of what question were the earliest speculations of Greece directed ?
3. Into what three great schools did Philosophy divide itself previous to the time of Socrates ?
4. What direction did Philosophy take after his time ?
5. With what questions chiefly were the Schoolmen occupied ?
6. What may be said to be the grand problem of Metaphysics, or of Ontological Science ? Is this determinable, or how may it be determined, if determinable at all ?
7. Show how the question of Perception belongs to the former question, and the transition from the Ontological, in speculation, to the Psychological.
8. What lines of divergence are seen in Philosophy from the earliest times, and what two modern divisions of thought still obtain in Philosophy ?
9. What was Berkeley's ideal theory ? What Hume's ?
10. Into what does Stuart Mill resolve Mind, and into what Matter, in our ultimate analysis or belief ? What paradox is he obliged to admit in the case of Mind, in such ultimate analysis ?
11. What is the ground of validity in all such questions ?
12. What are the three generic ideas according to which the Emotions may be classified ? Classify them accordingly. How else have they been classified ?
13. What is the Esthetic Emotion ? To which class does it belong ?
14. State Cousin's theory of the Beautiful. Enumerate the constituent elements of the Beautiful, and the Sublime, respectively, according to Burke. State Alison's theory, and show how it may coincide with that of Cousin.
15. Classify the Desires according to the Emotions. Analyse the desire of worth or value, and show its importance among the Desires.
16. What is the moral Judgment ? State some of the views on this subject. How may Conscience be distinguished from the moral judgment simply ?
17. What is pre-eminently the Active Power ?
18. In what sense may it be said to be free ? What different views have been held on this subject ?

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 22, 9 TO 12, A. M.

FRENCH.—THIRD YEAR.

JAMES LIECHTI, ESQ.....*Examiner.*

Translate into English: "Les peuples les plus grossiers (1) et les plus barbares entendent (2) le langage des cieux (3) Dieu les a établis (4) sur nos têtes comme des hérauts célestes, qui ne cessent (2) d'annoncer (5) à tout l'univers sa grandeur: leur silence majestueux (1) parle la langue de tous (6) les hommes et de toutes les nations; c'est une voix entendue (4) partout où la terre nourrit des habitants. Qu'on parcoure jusqu'aux extrémités les plus reculées de la terre et les plus désertes: nul lieu dans l'univers, quelque caché qu'il soit (7) au reste des hommes ne (8) peut se dérober (5) à l'éclat de cette puissance qui brille (2) au-dessus de nous dans les globes lumineux qui décorent le firmament."
"MASSILON."

1. Form the Fem. of the adj.: *grossiers* and *majestueux*; mention a few others with irreg. fem., and give an ex. for the agreement of adj. with nouns of different genders.

2. Write the Inf. and Participles of: *entendent*, *établis*, *cessent*, *brille*.

3. Give the sing. and second plural of *cieux*: when are they to be used; mention some examples.

4. Explain the agreement of the two p. parts. "*établis* and *entendue*."

5. How do you account for the Infinitives: *annoncer* and *dérober*.

6. Illustrate by short examples the different forms in which "*tout*" may occur.

7. In what mood and tense is "*soit*," and why in this form.

8. Account for the "*ne*;" mention other words used with "*ne*."

9. State by exs. the place of personal pron. either as direct or indirect objects, and what tense forms an exception to this rule.

10. Correct the following sentences: Les voyageurs ont bieu dormis Mes amis sont parti. Les lettres que nous avons reçu sont fort importantes. Etiez-vous à la soirée qui sést donné hier chez le maire. Explain in full the agreement of p. parts.

11. Show by short examples how the auxiliaries: would, should, ought to, (2 forms) can, could, may and might, are to be translated. Conjugate the verb "*neiger*."

12. Translate: There are many poor people (*gens*). There is the man, whose son died (*mourut*) this morning. This is magnificent. Here is something better. How many years have you been in this country? (*pays*). He intends (*avoir l'intention de*) going to England, and thence (*de là*) to Paris, to his relations (*parents*). He speaks French much better than his brother. Here it is; the best work (*ouvrage*) I have read (*lu*). My friend left (*partit*) on the 3rd of March. A thousand times. 96 miles. The 18th of April, 1867 (in letters.)

FRENCH—THIRD YEAR

JAMES LEIGHT, Esq., Examiner.

Translate into English: "Les peuples les plus grossiers (1) et les plus barbares (2) le langage des cieux (3) Dieu les a créés (4) et nos têtes comme les bestes (5) qui ne cessent (6) d'annoncer (7) à tout l'univers sa grandeur: leur silence majestueux (1) parle la langue de tous (2) les hommes et de toutes les nations; c'est une voix entendue (4) partout où la terre nourrit des habitants. On en parcourt jusqu'aux extrémités les plus reculées de la terre et les plus désertes: nul lieu dans l'univers, quelque caché qu'il soit (7) au reste des hommes ne (8) peut se dérober (5) à l'éclat de cette puissance qui parle (3) au-dessus de nous dans les globes lumineux qui décorent le firmament."

1. Form the Plur. of the adj: *grossier* and *majestueux*; mention a few others with their plur., and give an ex. for the agreement of adj. with nouns of different genders.

2. Write the Inf. and Participles of: *entendre*, *étudier*, *essayer*, *venir*.

3. Give the sing. and second plural of *avoir*: when are they to be used; mention some examples.

4. Explain the agreement of the two p. parts. "crainte et espérance."

5. How do you account for the Infinitives: *annoncer* and *dévoiler*.

6. Illustrate by short examples the different forms in which "on" may occur.

7. In what mood and tense is "est" and why in this form.

8. Account for the "ne"; mention other words used with "ne".

9. State by ex. the place of personal pron. either as direct or indirect objects, and what tense forms an exception to this rule.

10. Correct the following sentences: *Les voyageurs ont bien dormis. Mes amis sont parti. Les lettres que nous avons reçu sont fort importantes. Etiez-vous à la soirée qui s'est donné hier chez le maître. Expliquez in full the agreement of p. parts.*

11. Show by short examples how the auxiliaries: would, should, ought, to (2 forms) can, could, may and might are to be translated. Conjugate the verb "voir".

12. Translate: *There are many poor people (gens). There is the man whose son died (mourut) this morning. This is magnificent. Here is something better. How many years have you been in this country? (ans). He intends (auroit l'intention de) going to England, and thence (de là) to Paris to his relations (parents). He speaks French much better than his brother. Here it is; the best work (ouvrage) I have read (lu). My friend left (quitté) on the 3rd of March. A thousand times, 26 miles. The 18th of April, 1887 (le jour).*

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 9 TO 12, A. M.

GERMAN.—THIRD YEAR. ELEMENTARY COURSE.

JAMES LIECHTI, ESQ. *Examiner.*

Translate: a. "*Mignon's Song*," from Goethe's "*Wilhelm Meister*."

b. Wallenstein hatte über eine Armee (1) von beinahe hunderttausend Mann zu (2) gebieten, von denen (3) er angebetet wurde (4) als das Urtheil der Absetzung ihm angekündigt werden sollte. Die meisten Offiziere waren seine (5) Geschöpfe, seine Winke Aussprüche des Schicksals für den gemeinen Soldaten. Grenzenlos war sein Ehrgeiz (6) unbeugsam sein Stolz; sein gebieterischer Geist nicht fähig, eine Kränkung ungerochen zu erdulden (7).
"SCHILLER."

1. Decline: "*die grosse Armee*" in all its forms. What is the agreement of adjs. following the nouns? Give an example.

2. How do you account for the Prepos. "*zu*?" Name the exceptions.

3. What part of speech is "*denen*?" Give the 4 cases, sing. and plur.

4. Explain the position of "*wurde*." Show by two ex. how the passive voice is expressed in German.

5. Which is the absolute possessive pron; how many forms has it; and what is the declension of each form?

6. Name the compounds of this Subst., and how the gender of such nouns is determined. Account for the place of this word.

7. Form the p. part. of this verb, and state which verbs reject the syllable "*ge*." How are the past part. of compound verbs formed?

8. Write the Comparative and Super. of: *Hoch, gut, nahe, viel, gern, bald*. Explain by ex. the use of "*der stärkste, and am stärksten*."

9. Give the plural of: *Land, Wind, Haus, Nebel*; and the nom. sing. with the def. Art. of: *Wagen, Schlachten, Schiffe, Deutsche*.

10. What is "*wer*;" give the 4 cases sing.; show by short ex. of what meanings this word is susceptible. Translate: That (viz. Book) which I am reading now (*eben*). That which is fine is not always good.

11. Write the 3 pers. sing. of the present, the 1st pers. of the Impf. Indicative, and the past part. of: *geben, stehen, thun, helfen, kommen*. Give in the most concise form: *Ich würde sein. Ihr würdet gehabt haben. Er würde nicht weggegangen sein. Du würdest es thun.*

12. Translate: I have seen many flowers in the field (*Felde*). There will be many people (*Leute*) going to Paris this summer. The Paris Exhibition (*Ausstellung*) has been opened (*eröffnet*) on the 1st of April, 1867. While (*als*) I was in Dresden, I frequently (*oft*) went to hear (*anzuhören*) the fine music in the chapel of the court (*Hofcapelle*). Have you been able to read (*lesen*) the letter? I might (*could*) have read it. Which of these authors has written most?

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1887.

THURSDAY, APRIL 12, 10 TO 12, A. M.

GERMAN—THIRD YEAR, ELEMENTARY COURSE.

JAMES LEBGHT, Esq., Examiner.

Translate: a. "Missa's Song," from Goethe's "Wilhelm Meister."
 A. Wallenstein hatte über eine Arme (1) von beinahe hunderttausend
 Mann zu (2) gebieten, von denen (3) er angeblich wurde (4) als das Urteil
 der Absicht ihm angekündigt werden sollte. Die meisten Offiziere waren
 seine (5) Gesöhle, seine Wink's Anspielung des Schicksals für den
 gemeinen Soldaten. Granzowen war sein Feind (6) unzugänglich sein
 Feind; sein geistlicher Geist nicht fähig eine Kränkung ungenossen zu
 erdulden (7).
 "Schiller."

1. Decline: "die große Krause" in all its forms. What is the agree-
 ment of adjs. following the nouns? Give an example.

2. How do you account for the Propos. "er?" Name the exceptions.

3. What part of speech is "denn?" Give the 4 cases sing. and plur.

4. Explain the position of "wäre." Show by two ex. how the passive
 voice is expressed in German.

5. Which is the absolute possessive pron.; how many forms has it; and
 what is the declension of each form?

6. Name the compounds of the Subst. and how the gender of such
 nouns is determined. Account for the plur. of this word.

7. Form the p. part. of this verb, and state which verbs reject the syllable
 "ge." How are the past part. of compound verbs formed?

8. Write the Comparative and Super. of: *Wohl, gut, nahe, viel, sehr*,
bald. Explain by ex. the use of "da, während, und, während."

9. Give the plural of: *Kand, Hand, Werk, Vogel*; and the nom. sing.
 with the def. Art. of: *Wagen, Stübchen, Städtchen, Häuslein.*

10. What is "was?" Give the 4 cases sing.; show by short ex. of what
 meanings the word is susceptible. Translate: *That (viz. Book) which I am
 reading now (is) best.* That which is fine is not always good.

11. Write the 3 parts sing. of the present, the 1st part. of the Impf.,
 Indicative, and the past-part. of: *geben, wissen, sein, haben, kommen.* Give
 in the most concise form: *Ich würde sein, ihr würdet geben, haben.* A.
wäre nicht ungenossen sein. An würde es sein.

12. Translate: *I have seen many flowers in the field (Able). There
 will be many people (Able) going to Paris this summer. The Paris Exhi-
 bition (Aussstellung) has been opened (eröffnet) on the 1st of April, 1887.
 While (als) I was in Dresden, I frequently (oft) went to hear (zuhören)
 the fine music in the chapel of the court (Kloster). Have you been able
 to read (lesen) the letter? I might (wäre) have read it. Which of these
 authors has written most?*

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 9 A. M. TO 1 P. M.

LATIN.—FOURTH YEAR.

TACITUS. ANNALS, BOOK I.

PROFESSOR JOHNSON, M. A. *Examiner.*

1. Translate :

a. Aggerebatur nihilo minus cespes, jamque pectori usque accreverat, cum tandem pervicacia victi inceptum omisere. Blasus multa dicendi arte, *Non per seditionem et turbas desideria militum ad Cæsarem ferenda*, ait, *neque veteres ab imperatoribus priscis neque ipsos a divo Augusto tam nova petivisse; et parum in tempore incipientes principis curas onerari. Si tamen tenderent in pace tentare quæ ne civilium quidem bellorum victores expostulaverint, cur contra morem obsequii, contra fas discipline vim meditentur? decernerent legatos, sequæ coram mandata darent. Acclamavere, ut filius Blasii tribunus legatione ea fungeretur, peteretque militibus missionem ab sedecim annis: cetera mandaturos, ubi prima provenissent.* Chap. xix.

b. At Romæ, nondum cognito qui fuisset exitus in Illyrico, et legionum Germanicarum motu audito, trepida civitas incusare Tiberium, *quod, dum patres et plebem, invalida et inermia, cunctatione ficta landificetur, dissideat interim miles, neque duorum adolescentium nondum adulta auctoritate comprimi queat. Ire ipsum et opponere majestatem imperatoriam debuisse cessurus, ubi principem longa experientia eundemque severitatis et munificentie summum vidissent. An Augustum fessa ætate totiens in Germanias commearè potuisse; Tiberium vigentem annis sedere in senatu, verba patrum cavillantem? Satis prospectum urbanæ servituti: militaribus animis adhibenda fomenta, ut ferre pacem velint.* Chap. xlv.

c. Igitur Romanus qui aderat exercitus, sextum post cladis annum, trium legionum ossa, nullo noscente alienas reliquias an suorum humo tegeter, omnes et conjunctos, ut consanguineos, aucta in hostem ira, mæsti simul et infensi condebant. Primum exstruendo tumulo cespitem Cæsar posuit, gratissimo munere in defunctos et præsentibus doloris socius. Quod Tiberio haud probatum, seu cuncta Germanici in deterius trahenti, sive exercitum imagine cæsorum inséputorumque tardatum ad prælia et formidulosiorem hostium credebat, neque imperatorem, auguratu et vetustissimis cærimoniis præditum, atrectare feralia debuisse. Chap. lxii.

2. a. Explain the construction of (a) "*cur . . . meditentur,*" "*decernerent,*" "*acclamavere ut . . . fungeretur, . . . cetera mandaturos;*" (b) "*cognito,*" "*invalida et inermia,*" "*An Augustum potuisse;*" (c) "*ossa,*" "*omnes.*"

b. Point out some unusual constructions in the preceding chapters.

3. Write explanatory notes on the following passages :

a. *Consules primi in verba Tiberii Cæsaris juravere.*

b. *Mari Oceano aut omnibus longinquis septum imperium.*

c. *Denis in diem assibus animam et corpus æstimari; . . . Nec*

aliud levamentum quam . . . ut singulos denarios mererent; . . .
ne ultra sub vexillis tenerentur.

- d. In Germanias commearare potuisse.
- e. Tunc contractos in principia monet.
- f. Decreta eo anno triumphalia insignia A. Cæcinæ.
- g. Censuit ut libri Sibyllini adirentur.
- h. Quia divus Augustus immunes verberum histriones quondam responderat.

4. Describe the events alluded to in the following lines :
- a. Libertatem et consulatum L. Brutus instituit.
 - b. Bruto et Cassio cæsis nulla jam publica arma.
 - c. Ut quondam nimis studiis funus divi Julii turbassent.
 - d. Quod idem dies accepti quondam imperii princeps et vite supremus.
 - e. Sextum post cladis annum trimum legionum ossa . . . condebant.
5. What title did Augustus adopt as ruler of the state? What were his reasons for choosing it? On whom had it been conferred previously? What privilege did it give?
6. Enumerate the different offices held by Augustus, and shew clearly the powers which each gave him.
7. Name the Provinces in the time of Augustus. They were divided into classes for the purposes of administration? Tacitus gives instances of provinces being transferred from one class to the other? What was the reason of the change? How does Tacitus account for the submission of the Provinces to the Cæsars?

8. What expenses was the State liable for and by what means did it defray them? What is the origin of the term *salary*?

9. Translate into Latin:—Whilst Pericles was transacting public business in the forum a worthless and impudent fellow kept railing at him and abusing him. When Pericles bore it quite patiently, and said not a word in reply, he kept it up the whole day long. In the evening Pericles returned home with countenance and gait alike unruffled, the varlet still following and heaping every kind of obloquy upon him. As he was about to enter his house, it being now dark, he ordered one of his servants to light a lamp, attend the man and take him home.

Imprimis

- a. This class Argentine...
- b. Doctors...
- c. True...
- d. In...

Describe the events...
 a. ...
 b. ...
 c. ...
 d. ...
 e. ...

Prof. ...

What title did ...
 reasons for choosing ...
 What principle did ...
 e. ...

Name the ...
 into classes for the purpose of administration ...
 provisions being transferred from one class to the other ...
 reason of the change? How does ... account for the submission of ...
 the ... in the ...

What ... was the ...
 delay them? ...
 2. ...
 was to the ...
 about him? ...
 in reply, he ...
 of some ...
 and ...
 his house, it being now dark, he ordered one of his ...
 attend the man and ...

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Dalhousie College and University

HALIFAX

REGULAR EXAMINATIONS

1901-1902

Faculty of Arts

Faculty of Science

Faculty of Education

Faculty of Law

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

TUESDAY, APRIL 16TH.

GREEK.—DEMOSTHENES: DE COBONA.

FOURTH YEAR.

1. Translate:—

a. Ἐγὼ μὲν γὰρ προὔλεγον καὶ διεμαρτυρόμην καὶ παρ' ἡμῖν ἀεὶ καὶ ὅποι πεμφθεῖν αἱ δὲ πόλεις ἐνόσουν τῶν μὲν ἐν τῷ πολιτεύεσθαι καὶ πράττειν ὁδοροκοίντων καὶ διαφθειρομένων ἐπὶ χρήμασι, τῶν δὲ ἰδιωτῶν καὶ πολλῶν τὰ μὲν οὐ προορωμένων, τὰ δὲ τῇ καθ' ἡμέραν βραστόνῃ καὶ σχολῇ δελεαζομένων, καὶ τοιοντοῦ τι πάθος πεπονθῶτων ἀπάντων, πλὴν οὐκ ἐφ' ἑαυτοὺς ἐκάστων οἰομένων τὸ δεῖν ἤξειν, ἀλλὰ διὰ τῶν ἐτέρων κινδύνων τὰ εαυτῶν ἀσφαλῶς σχήσειν, ὅταν βούλωνται. Εἰτ' οἶμαι συμβέβηκε τοῖς μὲν πλῆθεσιν ἀντὶ τῆς πολλῆς καὶ ἀκαιροῦ βρῆνιμίας τὴν ἐλευθερίαν ἀπολωλεκένας, τοῖς δὲ προσεσηκόσι καὶ τἄλλα πλὴν ἑαυτοὺς οἰομένοις πωλεῖν πρότους ἑαυτοὺς πεπρακόσιν αἰσθέσθαι ἀντὶ γὰρ φίλων καὶ ξένων, ἃ τότε ὠνομάζοντο, ἠνίκα ἐδοροδόκουν, νῦν κόλακες καὶ θεοὺς ἐχθροὶ καὶ τἄλλ' ἃ προσήκει πάντ' ἀκούουσιν.

b.

NOMOS.

Ὅσους στεφανοῦσι τινες τῶν δήμων, τὰς ἀναγορεύσεις τῶν στεφάνων ποιεῖσθαι ἐν αὐτοῖς ἐκάστους τοῖς ἰδίοις δήμοις, ἐὰν μὴ τινὰς ὁ δήμος ὁ τῶν Ἀθηναίων ἢ ἡ βουλὴ στεφανοῖ· τοῦτους δ' ἐξεῖναι ἐν τῷ θεάτρῳ Διονυσίους ἀναγορεύεσθαι.

Ἀκούεις, Δίσχίνη, τοῦ νόμου λέγοντος σαφῶς, πλὴν ἐὰν τινὰς ὁ δήμος ἢ ἡ βουλὴ ψηφίσῃται· τοῦτους δὲ ἀναγορευέτω. Τί οὖν, ὦ ταλαίπωρε, συκοφαντεῖς; τί λόγους πλάττεις; τί σαντὸν οὐκ ἐλλεβορίζεις ἐπὶ τοῖς τοῖς; ἀλλ' οὐδ' αἰσχύνει φθόνου δίκην εἰσάγων, οὐκ ἀδικήματος οὐθενὸς, καὶ νόμους τοὺς μὲν μεταποιῶν, τῶν δ' ἀφαιρῶν μέρη, οὐς ὄλους δίκαιον ἦν ἀναγιγνώσκεσθαι τοῖς γε ὁμομοκόσι κατὰ τοὺς νόμους ψηφιεῖσθαι; ἔπειτα σὺ τοιαῦτα ποιῶν λέγεις ἃ δεῖ προσεῖναι τῷ δημοτικῷ, ὡσπερ ἀνδριάντα ἐκδεδωκῶς κατὰ συγγραφὴν, εἰτ' οὐκ ἔχοντα ἃ προσήκειν ἐκ τῆς συγγραφῆς κομιζόμενος, ἢ λόγῳ τοὺς δημοτικούς, ἀλλ' οὐ τοὺς πράγμασι καὶ τοῖς πολιτεύμασι γινωσκομένους. Καὶ βῶξ βῆτὰ καὶ ἄρρητα ὠνομάζων, ὡσπερ ἐξ ἀμάξης, ἃ σοὶ καὶ τῷ σῷ γένει προσεστα, οὐκ ἐμοί.

c. Ἐσπέρα μὲν γὰρ ἦν, ἦκε δ' ἀγγέλλων τις ὡς τοὺς πρυτάνεις ὡς Ἐλάτεια κατεῖληπται. Καὶ μετὰ ταῦτα οἱ μὲν εἰθὺς ἐξαναστάντες μεταξὺ δειπνοῦντες τοὺς τ' ἐκ τῶν σκηνῶν τῶν κατὰ τὴν ἀγορὰν ἐξεῖργον καὶ τὰ γέρρα ἐνεπίπρασαν, οἱ δὲ τοὺς στρατηγούς μετεπέμνοντο καὶ τὸν σαλπικτὴν ἐκάλουν· καὶ θορόβου πλήρης ἦν ἡ πόλις. Τῇ δ' ἰστεραία ἅμα τῇ ἡμέρᾳ οἱ μὲν πρυτάνεις τὴν βουλὴν ἐκάλουν εἰς τὸ βουλευτήριον, ἡμεῖς δ' εἰς τὴν ἐκκλησίαν ἐπορεύεσθε,

καὶ πρὶν ἐκείνην χρηματίσαι καὶ προβουλεύσαι πᾶς ὁ δῆμος ἄνω καθῆτο. Καὶ μετὰ ταῦτα ὡς εἰσῆλθεν ἡ βουλὴ καὶ ἀπήγγειλαν οἱ πρυτάνεις τὰ προσηγγελμένα ἑαυτοῖς καὶ τὸν ἥκοντα παρήγαγον κικέινος εἶπεν, ἡρώτα μὲν ὁ κῆρυξ “ τίς ἀγορεύειν βούλεται ; ” παρῆει δ' οὐδείς.

2. Explain the construction of (a) πρώτους ἑαυτοῖς πεπρακόσιν ἀισθέσθαι. A phrase similar to *κολακες ακουουσιν* occurs in Horace. Discuss the contradictory statements of Demosthenes and Aeschines respecting the law quoted in extract (b).

8. Write explanatory notes on (b) ἔλλεβορίζεις, — τοῖς γε ὁμομοκόσι, — ὥσπερ ἐξ ἀμάξης. — (c) ὡς Ἐλάτεια κατείληπται, — οἱ μὲν πρυτάνεις τὴν βουλήν ἐκάλουν εἰς τὸ βουλευτηριον, πᾶς ὁ δῆμος ἄνω καθῆτο.

4. Relate fully the circumstances which led to the delivery of this speech (giving dates). Discuss the defence adopted in it and mention its effect.

5. On what grounds have the public documents quoted in it been rejected as not genuine?

6. Describe the political state of Greece at Philip's accession. How far did Demosthenes overcome the obstacles to a common resistance of the Greeks to Philip?

7. Give an account of the constitution and objects of the Amphictyonic Council. When was it first employed for political purposes?

8. Give the dates of the three Sacred Wars and mention the causes and results of each.

9. What prevented the Athenians from defending Thermopylae against Philip towards the close of the second Sacred War?

10. Describe the duties of a *τριηραρχος*, and the changes introduced by Demosthenes. The *τριηραχία* was one of several similar offices comprehended under one general name?

ADDITIONAL FOR PRIZE.

Translate into English:—De Corona. Sec. 320–322, Aesch. adv. ctes. sec. 73–75. Translate into Greek Prose:—But if I had the choice, I should prefer our fortune to Philip's, would you but moderately do your duty. For I see you have many more claims to the divine favour than he has. But we sit doing nothing; and a man idle himself cannot require even his friends to act for him, much less the gods. No wonder then that he, marching and toiling in person, present on all occasions, neglecting no time or season, prevails over us delaying and voting and inquiring. I marvel not at that; the contrary would have been marvellous, if we doing none of the duties of war had beaten one doing all.

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Faint, mostly illegible text, likely bleed-through from the reverse side of the page. The text appears to be organized into numbered sections or paragraphs, but the specific content is difficult to discern due to the low contrast and fading.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY, APRIL 15, 3 TO 5.30 P. M.

LATIN.—FOURTH YEAR. ADDITIONAL FOR PRIZES.

JUVENAL: SATIRES, I. III. X. XIII.—COMPARATIVE PHILOLOGY.

PROFESSOR JOHNSON, A.M. & A.W.H.L. INDSAY, *Examiners*

1. Translate *a.* Sat. I. 81-96.
b. Sat. X. 133-150.
2. By whom was the first European Grammar written? What was the author's object? How much did owe to predecessors?
3. What serious mistake long impeded the progress of the Science of Language? Who first pointed out this mistake and the true method of studying the science? When was the key of it found?
4. Different tests are employed for establishing (1) a general and (2) a more intimate relationship between languages? Do all languages admit of the latter test?
5. Enumerate the *Classes* of languages in the Aryan Family. How are they connected together? Why has the name *Aryan* been given to them?
6. What is meant by "Phonetic Decay"? Give examples of it in Latin, in French as compared with Latin, and in English as compared with Anglo-Saxon, French and Latin.
7. Show by a table the forms which an *aspirated hard check* in Greek assumes in the other languages of the same Family. How have the differences been accounted for?
8. Give the *roots* of the following words and mention others *akin* to them in Greek and English: *gigno, anser, heri, hortus, nobilis, ut, tam, uter*; illustrate the differences by other examples
9. The personal terminations of the verbs in Sanskrit are divided into two classes; compare with them the terminations in Latin, Greek (1st and 2nd Conj.) and English.
10. Explain the formation of the Future Tense in French and Latin; the Imperfect in Greek and Latin. The Latin Perfect is formed in *three ways*? Account for the weak and strong Præterites in English, e. g. *moved, held, taught, sat.*

10. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

11. The Russian conjugation of the verb in Russian was changed into
present the differences of other examples

12. Give the Latin conjugation of the verb in Latin : and compare the
Latin conjugation of the verb in Latin and Russian : and compare the
Latin conjugation of the verb in Latin and Russian :

13. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

14. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

15. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

16. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

17. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

18. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

19. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

20. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

21. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

22. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

23. Explain the formation of the Future Tense in Russian and Latin :
and compare the formation of the Future Tense in Russian and Latin :

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

MONDAY APRIL 22, 9 A. M. TO 1 P. M.

ETHICS AND POLITICAL ECONOMY.

VERY REV. PRINCIPAL ROSS, D. D. *Examiner.*

1. Why should the study of the Intellect and of the Emotions precede the study of Ethics ?
2. Classify the active principles in man's nature.
3. Shew the importance of the principle of Emulation, and point out the evils to which it leads when not properly regulated.
4. State the opinions of the Epicureans, of the Stoics, and of the Pythagoreans, respecting the *Summum Bonum*.
5. What special difficulties beset the attempt to construct a system of Ethics from man's moral constitution ?
6. Give Dr. Paley's definition of *Virtue*, and point out its defects.
7. State the Cartesian argument in proof of the existence of the Deity, and shew wherein it fails.
8. Upon what ultimate principle is the *a posteriore* argument for the being of God based ?
9. What advantages does the *a posteriore* argument possess over the *argumentum a priori* ?
10. Classify the hypotheses which have been adopted to account for the active power displayed in the phenomena of the material world.
11. Give the several steps in the process of reasoning by which the immortality of the soul has been attempted to be proved from its immateriality.
12. What indications of His Will, apart from supernatural Revelation, has the Deity given us, respecting the future of the soul ?

-
1. What is the difference between *money* and *wealth* ?
 2. Explain the nature and function of Capital.
 3. Upon what does the increase of Wealth depend ?
 4. What evils result from the public provision for the poor which exists in many countries ; and how may they be obviated ?
 5. What is the natural limit to exchange ?
 6. Does the introduction of labor-saving machinery into a country injure or benefit the laborer ? Explain how.
 7. What is the minimum at which wages can continue for any considerable length of time ?
 8. Why does a Surgeon receive for an operation which is performed in a few minutes, a fee equal in value to the wages which a laborer receives for a month's work.
 9. State the advantages and disadvantages of small and of extensive properties in land.
 10. Under what circumstances will a reduction of duties tend to the increase of the revenue ; and under what circumstances will the opposite results ensue ?

ETHICS AND POLITICAL ECONOMY.

VERY REV. FISCAL OFFICER,
A. W. H. Lindsay

1. Why should the study of the function and of the function precede the study of Ethics?
2. Classify the active principles in man's nature.
3. Show the importance of the principle of Emulation, and point out the evils to which it leads when not properly regulated.
4. State the opinions of the Philosophers of the Stoics, and of the Epicureans, respecting the human Reason.
5. What special difficulties beset the attempt to construct a system of Education man's moral condition?
6. Give the Latin's definition of Virtue, and point out its defects.
7. State the Cartesian argument in proof of the existence of the Deity, and show wherein it fails.
8. Upon what ultimate principle is the a posteriori argument for the being of God based?
9. What advantages does the a posteriori argument possess over the a priori argument?
10. Classify the hypotheses which have been adopted to account for the relative power displayed in the phenomena of the material world.
11. Give the several steps in the process of reasoning by which the immortality of the soul has been attempted to be proved from its immutability.
12. What indications of His Will, apart from supernatural Revelation, has the Deity given us respecting the future of the soul?
13. What is the difference between money and wealth?
14. Explain the nature and function of Capital.
15. Upon what does the income of Wealth depend?
16. What evils result from the public provision for the poor which exists in many countries; and how may they be obtained?
17. What is the natural limit to exchange?
18. Does the introduction of labor-saving machinery into a country injure or benefit the laborer? Explain how.
19. What is the minimum at which wages can continue for any considerable length of time?
20. Why does a Banker receive for an operation which is performed in a few minutes, a fee equal in value to the wages which a laborer receives for a month's work?
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DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

FRIDAY, APRIL 12, 9 A.M.

SENIOR CHEMISTRY.

PROFESSOR GEORGE LAWSON, LL.D. *Examiner.*

1. Explain the principle involved in Spectrum Analysis. What is a Spectrum? Describe the Solar Spectrum. Describe the Spectra of Cs, Rb, K, Na, Li, Sr, Ca, Ba.

2. Explain the principle of the Thermometer. Does it indicate the amount of Heat, or what? What are the scales used by different nations, and upon what are they founded? Define what is meant by the terms (1) Latent Heat, (2) Specific Heat, (3) Temperature, (4) Intensity of Heat, (5) Quantity of Heat, (6) Zero. What fallacy is covered by the term last mentioned?

3. What metals are usually present in an English shilling? Show the way in which you would separate them and estimate the weight of each.

4. Describe the chemical changes involved in the manufacture of Soda from Common Salt.

5. When Limestone is burned, what chemical change takes place? Find by calculation the loss in weight upon 2000 lb of pure (CaO, CO₂) by perfect burning. What chemical change takes place during the process of slacking. Find the increase in weight caused by that process on the amount of material obtained by the first process.

6. What is the composition and what are the properties and principal compounds of Cyanogen.

7. Describe a few of the more important Derived Radicles obtained from the series Cn Hn + 1.

8. Point out the differences between Sucrose, Lactose and Glucose, enumerate the various compounds obtainable from them by the action of acids and fermentation, and explain the precise chemical nature of the changes which lead to the production of such compounds.

9. Describe the processes of Digestion and Assimilation in the Animal, explaining the nature of the chemical action exerted by the Saliva, Gastric Juice, Pancreatic and Intestinal Secretions.

10. What is the theoretical or typical constitution of the Vegetable Alkaloids.

11. Describe briefly the chemical processes involved in (1) Bleaching, (2) Dyeing, (3) Calico Printing.

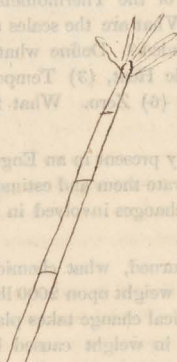
12. Describe Chloroform: (1) as regards its actual composition, (2) its theoretical constitution, (3) its chemical properties, (4) its physical characters, (5) its physiological action, (6) its mode of preparation.

13. What are the sources respectively of Bone Material, Muscle and Fat in the animal, and how are they produced?

PHYSIOLOGICAL CHEMISTRY

PROFESSOR GEORGE LAWSON, M.A., D.Sc., Examiner.

1. Explain the principle involved in Spectrometry. What is a Spectrum? Describe the Solar Spectrum. Describe the Spectra of Ca, Fe, K, Na, Li, Sr, Ba, Pb.
2. Explain the principle of the Thermometer. Does it indicate the amount of heat, or what? What is the scale used by different nations, and upon what are they based? Define what is meant by the terms (1) Latent Heat, (2) Specific Heat, (3) Temperature, (4) Intensity of Heat, (5) Quantity of Heat, (6) Calorie. What alloy is covered by the term latent heat?
3. What metals are usually present in an English alloy? Show the way in which you would separate them, and estimate the weight of each.
4. Describe the chemical changes involved in the manufacture of Soda from Common Salt.
5. When potassium is burned, what chemical change takes place? Find by calculation the loss in weight upon 100 lb of pure CaO , CO_2 by perfect burning. What chemical change takes place during the process of alacking? Find the increase in weight caused by that process on the amount of material obtained by the first process.
6. What is the composition and what are the properties and products of Cyanogen.
7. Describe a few of the most important Toxic Medicines obtained from the series Ca to I .
8. Point out the difference between Sacchar, Lactose and Glucose, enumerate the various compounds obtainable from them by the action of acids and fermentation, and explain the precise chemical nature of the changes which lead to the production of such compounds.
9. Describe the process of Digestion and Assimilation in the Animal, explaining the nature of the chemical action exerted by the Saliva, Gastric Juice, Pancreatic and Intestinal Secretions.
10. What is the theoretical or typical constitution of the Vegetable Alcohols.
11. Describe briefly the chemical processes involved in (1) Bleaching, (2) Dyeing, (3) Calico Printing.
12. Describe Chloroform: (1) as regards its actual composition, (2) its theoretical constitution, (3) its chemical properties, (4) its physical characteristics, (5) its physiological action, (6) its mode of preparation.
13. What are the sources respectively of Bone Marrow, Muscle and Fat in the animal, and how are they produced?



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DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 11, 9 A. M. TO 1 P. M.

HISTORY.—FOURTH YEAR.

PROFESSOR DEMILL, M. A. *Examiner.*

1. What were the causes which led to the *division of the Roman Empire*?
2. Enumerate the tribes that conquered *Spain*. State the causes of the Mohammedan conquest of that country. Trace the course of the decline of the Mohammedan power, and its final downfall.
3. Describe the *Lombard Invasion* of Italy. How long did the Lombard kingdom last? What were the circumstances that led to its overthrow?
4. State the causes that led to the establishment of the *Western Empire* under Charlemagne. What was the character of the *Holy Roman Empire*, and its relation to the Spiritual power? Give a brief account of the struggle between Hildebrand and Emp. Henry 4th.
5. Who were the *Norsemen*? What were their most important exploits? Give a short account of the Norman settlement in Sicily.
6. Give an outline of the history of *Provence*. What were the political causes of the Crusade against the Albigenses? What was the origin of the Inquisition?
7. Give a sketch of the *Mongol conquests* under Genghis Khan.
8. Give an account of the *Feudal System*.
9. Give an outline of the *Swiss War of Independence*.
10. Give brief biographies of the following,—*Dante, Petrarch, Boccaccio*.
11. Classify the *14th and 15th centuries* among the great historical periods, and enumerate the chief inventions and discoveries by which they were marked.
12. Point out the influence of *Constantinople* over the West, and mention the chief events which diffused the knowledge of Greek learning.
13. Give a brief account of the *Discovery of America*.
14. Enumerate the causes which led to the *German Reformation*. Give brief biographies of the following,—Luther, Calvin, Zwingli.
15. Give an account of the rise and progress of the *Jesuits*.
16. Enumerate the chief events of the *Parliamentarian War* and state what you suppose to be its greatest political results.
17. Consider the *Thirty Years War* by periods. State its causes and write a brief account of the War.
18. Describe the chief political measures of the reigns of *Charles 2nd*, and of *William and Mary*, and show the changes which they made in the British Constitution.
19. What were the causes that led to the *downfall of Poland*, and by whom was its dismemberment effected?
20. Give an account of the *French Revolution*.

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- PROFESSOR DEWELL, M. A. Examiner.
1. What were the causes which led to the division of the Roman Empire?
 2. Enumerate the tribes that composed Spain. State the causes of the Mohammedan conquest of that country. Trace the course of the decline of the Mohammedan power, and its final downfall.
 3. Describe the Lombard invasion of Italy. How long did the Lombard kingdom last? What were the circumstances that led to its overthrow?
 4. State the causes that led to the establishment of the Holy Roman Empire, and its relation to the spiritual power? Give a brief account of the struggle between Hildefard and King Henry the First.
 5. Who were the Normans? What were their most important exploits? Give a short account of the Norman settlement in Sicily.
 6. Give an outline of the history of France. What were the political causes of the Crusades against the Albigenses? What was the origin of the Inquisition?
 7. Give a sketch of the Moslem conquests under Genghis Khan.
 8. Give an account of the Feudal System.
 9. Give an outline of the Swiss War of Independence.
 10. Give brief biographies of the following:—Linnæus, Leibnitz, Bacon, Descartes.
 11. Classify the 14th and 15th centuries among the great historical periods, and enumerate the chief inventions and discoveries by which they were marked.
 12. Point out the influence of Constantine over the West, and mention the chief events which diffused the knowledge of Greek learning.
 13. Give a brief account of the Discovery of America.
 14. Enumerate the causes which led to the German Reformation. Give brief biographies of the following:—Luther, Calvin, Zwingle.
 15. Give an account of the rise and progress of the Jesuits.
 16. Enumerate the chief events of the Thirty Years War, and state what you suppose to be its greatest political results.
 17. Consider the Thirty Years War by periods. State its causes and write a brief account of the War.
 18. Describe the chief political measures of the reign of Charles the First, and of William and Mary, and show the changes which they made in the British Constitution.
 19. What were the causes that led to the downfall of Poland, and by whom was its dismemberment effected?
 20. Give an account of the French Revolution.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 9 TO 12, A. M.

FRENCH.—FOURTH YEAR.

JAMES LIECHTI, Esq.....*Examiner.*

1. Quand la forme verbale en *ant* est-elle participe présent, et quand adjective verbal ? Ecrivez correctement : “il n’y a que les âmes aimant qui soient propres à l’étude de la nature. La politesse est comme l’eau courant qui rend unis et lisses les plus durs cailloux. Il y a des peuples qui vivent errant dans les déserts.”

2. Comment le part. présent anglais doit-il être rendu en français ? Traduisez : More glory is acquired by maintaining peace than by carrying on war. He was found sleeping. I hear him talking. He is very wrong in complaining of my not having answered. Walking will do him good.

3. “Parlez-moi des jours que vous avez souffert.” Quelle est la règle d’accord pour le part. *souffert*.

4. Les part. passés des verbes impersonnels sont-ils variables ou non ? Ecrivez en français : Yesterday’s rain has spoiled (*gâté*) the roads. The sums which I wanted (*falloir*).

5. “Les avocats que j’ai entendu plaider. Les prisonniers que j’ai entendu condamner. Les demoiselles que j’ai vu dessiner. Les fleurs que j’ai vu dessiner.” Donnez le corrigé de ces phrases, et expliquez l’accord du part. passé d’un verbe trans. précédé d’un régime direct et suivi d’un infinitif.

6. Qu’est ce qu’il y a à dire par rapport aux participes *dû, pu, voulu* ? Traduisez : I have made all the efforts I possibly could. We have established the rules (*réglemens*), that we should. He has given me all the answers he would.

7. Quelle est l’accord du part. passé précédé de la locution “*le peu de*” ? Ecrivez en français : The few friends that he had left (*conserver*), abandoned him at the news of this accident. The little confidence you have shown me has given me great pain.

8. Expliquez pourquoi la construction est louche dans les phrases suivantes, et écrivez-les correctement : “Les maîtres qui grondent ceux qui les servent avec emportement, sont les plus mal servis. Croyez-vous ramener ces esprits égarés par la douceur. Je connais et me sers de mes avantages. Il aime l’étude et à jouer.

9. Traduisez en Français : “To substitute the idea for the image, to cause noble, great and even somewhat austere sentiments to force their way through the witticisms of fashion, to invent the poetry of passion, and of reason, such was Corneille’s literary part. For this reason he is truly the national poet. Thanks to him. France, having escaped from Italy and Spain, recovered herself, dignified and elevated by the genius of a man.

JAMES JACKSON, Esq., Examiner.

1. Grand je trouve certain en cet article participe present et quand adjectif verbal? Partir convenablement: "Il n'y a pas les deux aimant qui sont propres à l'étude de la nature. La follesse est comme l'eau courante qui tend sans cesse à plus dans l'histoire. Il y a des peuples qui vivent dans les déserts."

2. Comment le curi present anglais doit-il être rendu en français? Traduire: More glory is acquired by maintaining peace than by carrying on war. He was found sleeping. I hear him talking. He is very wrong in complaining of my not having answered. Waiting will do him good.

3. "Tantôt moi des jours que vous avez souffert." Quelle est la règle d'accord pour le part. souffert.

4. Les part. passés des verbes impersonnels sont-ils variables ou non? Donner en français: Yesterday's rain has spoiled (spoiled) the roads. The snow which I wanted (wanted).

5. Les verbes que l'on emploie pluriel. Les pronoms que l'on emploie singulier. Les pronoms que l'on emploie pluriel. Les pronoms que l'on emploie pluriel. Les pronoms que l'on emploie pluriel. Les pronoms que l'on emploie pluriel.

6. Qu'est-ce qu'il y a à dire par rapport aux participes de la forme? Traduire: I have made all the efforts I possibly could. We have escaped (escaped) the crisis (crisis), but we should. He has given me all the answers he would.

7. Quelle est l'accord du part. passé présent de la locution "à voir de"? Traduire en français: The few friends that he had left (conserve) showed him in the way of his conduct. The little confidence you have shown me has given me great pain.

8. Expliquez pourquoi la construction est telle dans les phrases suivantes en français convenablement: Les maîtres qui regardent ceux qui travaillent avec empressement sont les plus mal servis. Croyez-vous vraiment capables de nous par le bon sens. Je connais et ne suis de moi-même. J'ai vu l'ordre et à jour.

9. Traduire en français: "To establish the idea for the image, to cause noble great and even somewhat austere sentiments to force their way through the whimsical of fashion, to invent the poetry of passion, and of reason, such was Corneille's happy part. For this reason he is truly the national poet. Thanks to him, France, having escaped from Italy and Spain, recovered herself, dignified and elevated by the genius of a man."

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1867.

THURSDAY, APRIL 18, 9 TO 12, A.M.

GERMAN.—THIRD YEAR. ADVANCED COURSE.

JAMES LIECHTI, Esq. *Examiner.*

Translate into English: *a.* The 8, 9 and 10th verses from Schiller's Ballad "*The Diver.*"

b. So sprach der freundliche Engel des Schlummers. Der Todesengel sah ihm mit stiller Wehmuth an, und eine Thräne, wie sie die Unsterblichen weinen, stand in seinem grossen, dunkeln, Auge. "Ach, "sprach er," dass ich nicht, wie du, des frühlichen Dankes mich freuen kann; mich nennt die Welt ihren Feind und Freudenstörer!"—"O mein Bruder," erwiderte der Engel des Schlafes, "wird nicht auch, beim Erwachen, der Gute in dir seinen Freund erkennen und dankbar dich segnen? Sind wir nicht Brüder und Boten eines Vaters?" "KRUMMACHER."

1. Give the meaning, genders and plurals of the following nouns of double gender: *Band, Chor, Hüt, See, Thor, Verdienst.*

2. State in full what verbs reject the syllable "ge" in the p. part. Mention some. Name those verbs, which, though regular in their termination, change their *root-vowel* in the Impf. and Past Part.

3. How is the passive voice of active verbs, governing the *dative*, formed? Express in two ways: I am allowed; I have been allowed.

4. "Er, sie, es." By what other words may they be replaced in order to avoid misunderstanding? Translate: He has not received them. Am I to give him the letter? Yes give it to him.

5. "*Kaum hatte er dies Wort gesprochen. Sprechen sie laut, damit ich sie verstehe. Nachdem er studiert hatte, ging er spazieren.*" Account in full for the position of the Subject and the verb. Write the seven words which cause no alteration of the construction.

6. What influence on the position of the verbs have adverbs of interrogation in indirect question? Render into German: "Do you know, whence he is coming? I don't know why he has not received my letter."

7. Illustrate by examples how the English Present Part., expressing *reason, cause or time*, is to be rendered in German.

8. Translate into German: "What is the name of those Books? They are Goethe's and Schiller's works, and were published (*herausgegeben*) at Leipsic. Has any one spoken of them? If I only had a good translation (*Uebersetzung*) of the best German authors (*Dichter*). Why are you astonished at his being able to speak so well? It is by studying that one acquires knowledge (*Kenntnisse erlangen*). Seeing is believing. It is not healthy to sleep in a room in which there is fire. Whatever may be his object, (*Absicht*), I believe him to be doing right."

A. H. C. L.

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Dominus Gomme

H. M. Thorburn I



H. M. Thorburn

H. M. D. Seibt

Or Andreas H. K. Lindsay

Dominus Aubin Lippencott

Arthur Seibt

Arthur P. Silver

Wentworth E. Roser

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