

CALENDAR

AND

EXAMINATION PAPERS

OF

Dalhousie College

AND

University,

HALIFAX, NOVA SCOTIA.

FACULTY OF ARTS.

FACULTY OF MEDICINE.

SESSION 1872-73.

HALIFAX:

Printed for the University, by "Nova Scotia Printing Co."

1872.

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Faculty of Arts.

§ I.—WINTER SESSION.

The Winter Session of 1872-73 will commence on Wednesday, October 23rd, 1872, and end on Wednesday, April 30th, 1873.

§ II.—ADMISSION OF STUDENTS.

Students may enter the College—

- 1st, as *Undergraduates*, with the intention of applying for a University Degree at the end of their course; or
- 2nd, as *General Students*, who do not look forward to a University Degree.

Undergraduates may take either of two courses: (1) the Curriculum for the B. A. Degree; or (2) that for the B. Sc. Degree. (See § IV.)

Students entering as Undergraduates of the First Year are required to pass the Matriculation Examination, (see § III.), at the opening of the Winter Session, and to take the classes prescribed for their respective courses.

The Matriculation Examination will be held on April 23rd, at 10 o'clock, A. M. Candidates are expected to bring their own writing materials, except paper.

Students may also enter as Undergraduates of the Second Year, with the view of applying for the B. A. Degree at the end of their course, by passing the Matriculation Examination of that year, (see § III.), and taking the usual Undergraduate course for the second, third and fourth years, with the classes of the intervening Summer Sessions as prescribed by the Senate.

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 classes proper to their year.

§ III.—MATRICULATION EXAMINATION.

FOR THE FIRST YEAR.

The subjects of examination for entrance into the First Year of the B. A. Course are:—

I. IN CLASSICS.—Latin Grammar, Greek Grammar, one Latin, and one Greek Author.

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 of Geometry, Book I.; Algebra, to the end of Fractions.

III. IN ENGLISH.—Grammar; History of England; Geography; Composition.

Special stress will be laid upon accuracy in Latin and Greek Grammar.

The subjects of examination for entrance into the First Year of the B. Sc. Course are the same as the foregoing, except Greek which is not required.

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 § XIV., or their equivalents.

2. In the *Mathematics* of the first year as specified in § XIV.

3. In *English Grammar, English History, Geography and Composition*.

4. In Roman History, to the Battle of Actium.

§ IV.—COURSE OF STUDY.

COURSE FOR DEGREE OF B. A.

First Year.—(1) Latin. (2) Greek. (3) Mathematics. (4) English Language and Rhetoric.

For First or Second Class in Classics extra work is required, and special stress is laid upon accuracy in Grammar. (See § XIV.)

Second Year.—(1) Latin. (2) Greek. (3) Mathematics. (4) Chemistry. (5) Logic and Psychology.

For first or second class in Classics extra work is prescribed, and for first or second class in Mathematics an additional hour a week is required. (See § XIV.)

Third Year.—(1) Latin. (2) Mixed Mathematics. (3) Experimental Physics. (4) Metaphysics. (5) French or German. (6) Greek or Chemistry.

Fourth Year.—(1) Latin. (2) Ethics and Political Economy. (3) History. (4) French or German. (5) Astronomy and Experimental Physics.

At the beginning of the second year, Undergraduates are required to pass an Examination in Ancient History and Geography, (see § VIII). The result of this Examination is taken into account at the Sessional Examination.

COURSE FOR DEGREE OF BACHELOR OF SCIENCE, B. Sc.

First Year.—(1) Latin. (2) Mathematics. (3) Rhetoric. (4) French (or Spanish). (5) Experimental Physics.

Second Year.—(1) Latin. (2) Mathematics. (3) Chemistry. (4) Logic and Psychology. (5) French (or Spanish).

Third Year.—(1) Mathematical Physics. (2) Chemistry. (3) German. (4) Natural History.

Fourth Year.—(1) Ethics and Political Economy, or History, (2) Mixed Mathematics and Experimental Physics, or History, (3) Natural History. (4) German. (5) Analytical Chemistry. (6) Either Physiology or Human Anatomy, (Lectures by Professors in Medical Faculty).

§ V.—HONOUR COURSES.

These Courses are intended for those Students whose tastes and ability lead them to prosecute special subjects of the Curriculum, and remissions of classes are granted to Students studying such Course or Courses.

Honour Courses are provided in the following groups of subjects.—(1) Classics; (2) Mathematics and Physics; (3) Mental and Moral Philosophy; (4) History, Political Economy, and English Literature and Language. Instruction of an advanced kind is provided in these subjects during the third and fourth years of the Curriculum.

Examinations in these Courses are held at the final Examinations for the Degree of B. A.; and a Student passing First or Second Class in any of the above groups of subjects, obtains the Degree of B. A. with Honours in such subjects.

A Student of the Third Year, for Honours, (see § XV.)

In *Classics*, may omit the Mathematical Physics of the year;

In *Mathematics and Physics*, in *Mental and Moral Philosophy*, in *History, Political Economy, &c.*, may omit the sixth subject of the ordinary Course, (see § IV).

A Student of The Fourth Year studying for Honours

In *Classics*, may omit Mathematical Physics and Experimental Physics, and either Ethics and Political Economy or History;

In *Mathematics and Physics*, may omit Latin and either Ethics and Political Economy or History;

In *Mental and Moral Philosophy*, may omit Latin and History;

In *History, English Language, &c.*, may omit Latin and the fifth (selective) subject of the ordinary Course.

3. In all cases, a Student who presents himself for Supplementary Examination on any day except that mentioned in Rule 2nd, will be required to pay a fine of *two dollars*.

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

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

6. A position in the First or Second Class will be considered honourable.

§ X.—SCHOLARSHIPS.

TWO OPEN SCHOLARSHIPS.

Two scholarships, entitling to free attendance on all the classes of the Undergraduate course as long as the holders maintain a first or second rank at the Sesssional Examinations, are offered by the Professors for competition this year; the competition to take place at the Matriculation Examination.

§ XI.—PRIZES AND CERTIFICATES OF MERIT.

THE GOVERNOR'S CLASS PRIZES, as usual.

THE SIR WILLIAM YOUNG PRIZE.

An annual Prize of \$30 in Eloquence is offered by the Hon. Sir W. Young, Knt, Chief Justice of Nova Scotia, and is open for competition to all Arts Students of the first and second years. This prize will be competed for at the close of the Session; it cannot be held twice by the same Student.

THE COLONEL LAURIE PRIZE.

A Prize of \$20 is offered by COLONEL LAURIE, Oakfield, for the best Essay on "Immigration as adapted to the Requirements of Nova Scotia."

Essays to be sent in not later than 13th March, 1873, each signed with a motto, and accompanied with a sealed envelope, bearing the motto and containing the name of the writer.

NORTH BRITISH SOCIETY'S BURSARY.

A Bursary, of the annual value of \$60, has been founded in connection with Dalhousie College, by the North British Society of Halifax, to be competed for at the Sesssional Examinations of the Second Year's course, and held during the Third and Fourth Years of the Undergraduate Course. Candidates must be Undergraduates who have completed two years of the

Curriculum, and must be eligible at the proper age to be Members of the North British Society. The next competition will take place in April, 1874, at the Sesssional Examinations.

WAVERLEY SCHOLARSHIP.

This Scholarship, of the annual value of \$60, has been founded by an unknown Benefactor, whose object is so doing is to encourage the studies of the Curriculum, especially Mathematics.

The first competition for this Scholarship will take place at the opening of the Winter Session 1872-3, (see Calendar), and is open to Undergraduates entering their Fourth Year. The Scholarship will not be awarded unless at least a certain minimum standard of scholarship, as tested by Examination, be attained.

The following are the subjects of Examination:

I. MATHEMATICS.—(1) The Mathematics of the First two Years of the Curriculum.

(2) The Mixed Mathematics of the 3rd Year.

(3) Analytical Trigonometry, as laid down in the 3rd Year Honour Mathematics.

(4) Analytical Geometry.—The Equation to the straight line.

(5) Parkinson's Elementary Mechanics—Statics, Chapters II, IV, V, VI. Dynamics Chapters II, III, IV, V. from Art. 94. Problems.

II. CLASSICS.—(1) Latin: Cicero, Tusculan Questions—Book II. Plautus, Truculentus.

(2) Greek: Thucydides—Book II. Aristopbanes—Clouds.

(3) Composition: Latin Prose.

N. B.—Special stress will be laid on accuracy in Grammar and Composition.

III. ENGLISH.—(1) Marsh's English Language, Smith's Edition.

(2) Spalding's (or Shaw's) English Literature.

CERTIFICATES OF MERIT.

Certificates of Merit of the First and Second Rank will be given to Students who have obtained a First or Second class standing in the aggregate of the branches of study proper to their year.

§ XII.—ATTENDANCE AND CONDUCT.

I. 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 classes of the year, except those 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 person or persons by whom they have been caused; and such other penalty will be imposed as the Senate may think proper.

8. While in the College, or 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 a Student is brought before the Senate and convicted of a violation of any of these rules, the Senate may reprimand privately, or in the presence of 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 worship on Sunday, in one of the city churches or chapels.

§ XIII.—THE LIBRARY.

Through the liberality of a number of the friends of the College, a Library has been formed, which consists of a careful selection of the most useful works in each department of study embraced in the University course. There are likewise a few works in general literature. The library embraces in all upwards of 1200 volumes. All students are entitled to the use of the Library, on payment of the annual fee of one dollar.

§ XIV.—ORDINARY COURSE FOR B. A.

CLASSICS.

FIRST YEAR.

LATIN.—Cicero: First against Catiline. *De Amicitia.

Virgil: Æneid, Book X.

GREEK.—Lucian: Charon.

Demosthenes: First Olynthias.

COMPOSITION.—Principia Latina, Part IV.

SECOND YEAR.

LATIN.—Livy: Book XXI, to chap. 30. *Book XXII.

Horace: Odes, Book I.

GREEK.—Herodotus: Book I, §§ 95—141. §§ 155—216.

Horace: Iliad, Book X.

COMPOSITION.—Principia Latina, Part IV. India Græca, Part III.

ANCIENT HISTORY AND GEOGRAPHY.—History of Rome to B. C. 31.

Geography of Italia, Sicilia, Gallia, and Britannia. (Books recommended: Liddell's History of Rome; Schmitz's Ancient

Geography.)

THIRD YEAR.

LATIN.—Horace: Satires, Book I, 3, 4, 5, 6, 9. Terence: Andria.

*Flavius: Miles Gloriosus.

GREEK.—Euriptides: Medea. Æschylus: Prometheus Vincens.

COMPOSITION.—Principia Latina, Part V. Italia Græca, Part III.

FOURTH YEAR.

LATIN.—Tacitus: Annals, Book I. Juvenal: Satires, III, X.

GREEK.—Demosthenes: Philippics, I, III. Plato: Apologia Socratis.

COMPOSITION.—Principia Latina, Part V.

MATHEMATICS AND PHYSICS.

FIRST YEAR.

ARITHMETIC.—Revision of the Theory of Proportion, Vulgar and Decimal Fractions.

ALGEBRA.—Common Measure, Involution, Evolution, the Arithmetical Extraction of Roots, Fractions, Equations of the First and Second Degrees, Series, Proportion, Inequalities, Variation, Progressions.

GEOMETRY.—First Book of Euclid revised; Second, Third, and Fourth Books; Definitions of Fifth, and Sixth Book to the Eighth Proposition, with Geometrical exercises and practical applications.

PLANE TRIGONOMETRY.—Solution of Plane Triangles.

SECOND YEAR.

GEOMETRY.—Sixth Book of Euclid finished; Geometrical Exercises continued; Geometrical Drawing.

PLANE TRIGONOMETRY.—Circular and Gradual Measure; Functions of sum and difference of angles, &c; Relations of the sides and angles of triangles; Mensuration of Heights and Distances; Elementary Problems in Navigation; Use of Logarithms.

ALGEBRA.—Simple Indeterminate Equations; Binomial Theorem; Properties of Logarithms; Compound Interest; Annuities.

* Only Students competing for a First or Second Class at the Seasonal Examinations will be examined in this additional work, which will not be read in Class.

† The Examination in these subjects will be held at the beginning of the Winter Session.

EXTRA.

GEOMETRY.—21 Propositions of the Eleventh Book of Euclid; Geometrical Exercises.

TRIGONOMETRY.—Extension of Ordinary Course.

ALGEBRA.—Permutations, Combinations, Probabilities, Life Assurance, Investigation of Binomial Theorem and Theory of Logarithms, Indeterminate Coefficients, Higher Equations with Horner's Method of Solution.

EXPERIMENTAL PHYSICS.

(Third Year.)—Text Book: Leadeur's Handbook.

(Fourth Year.)—Text Book: Larliere's Handbook.

MATHEMATICAL PHYSICS.

(Third Year.)—Text Books: Galbraith and Haughton's Manual of Mechanics; Thair's Hydrostatics (or Galbraith and Haughton's).

(Fourth Year.)—Text Books: Galbraith and Haughton's Manuals of Acoustomy and Optics.

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. Senior's Political Economy.

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: Lyall's "Intellect, the Emotions, and Moral Nature." Marshall's Metaphysics. Lewis Biographical History of Philosophy. Comte on the Beautiful. Alison's Essay on the Nature and Principles of Taste.

CHEMISTRY.

(Second Year.)—Text Book: Fowles' Manual of Chemistry, the whole of the Inorganic part (excepting Physics), and a portion of the Organic.

(Third Year.)—Same Text Book, including whole of the Organic Chemistry.

ANALYTICAL CHEMISTRY.

Macadam's Practical Chemistry; Fresenius's Qualitative and Quantitative Analysis.

HISTORY AND RHETORIC.

RHETORIC.—(First Year.)—Text Books: Whately's Elements of Rhetoric; Campbell's Philosophy of Rhetoric.

ENGLISH LANGUAGE.—(First Year.)—Text Books: Angus's Handbook of the English Language.

EXERCISES.—Books Recommended: Fortin's Analysis of the Principles of Rhetorical Delivery. Russell's Elocution.

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

MODERN LANGUAGES.**ORDINARY COURSE.**

FRENCH.—(Third Year.)—Pajot's Grammar (first part).—Scribe's "Voyage."

GERMAN.—(Third Year.)—Otto's German Conversation Grammar.—Adler's Reader.—Schiller's "Wilhelm Tell."

FRENCH.—(Fourth Year.)—Pajot's Grammar (fourth part).—Mollire's "Le Bourgeois Gentilhomme."

GERMAN.—(Fourth Year.)—Otto's German Conversation Grammar.—Adler's Reader.—Schiller's "Wilhelm Tell" caudal.

§ XV.—HONOUR COURSES.**CLASSICS.**

(The following Course, in addition to the Ordinary, is prescribed for Classical Honours in the fourth Year.)

LATIN.—Plautus: Miles Gloriosus.

Terence: Heautontimorumenos.

Virgil: Georgics, Books I, IV.

Horace: Epistles, Books I, II, Ars Poetica.

Juvenal: Satires.

Cicero: Tusculan Questions, Book I.

Tacitus: Agricola, Germania.

GREEK.—Homer: Iliad, XVIII, XXIV.

Æschylus: Prometheus Vincit.

Sophocles: Œdipus Rex.

Thucydides: Book II.

PLATO: Phædo.

Demosthenes: De Corona.

COMPOSITION.—Latin Prose.

HEBREW AND LITERATURE.—Arnold's History of Rome; Mommsen's

History of Rome, Vol. I; Meivale's

Hist. of the Romans, Vols I, II, III;

Grote's History of Greece, Vols IV, V,

XI, XII; Miller and Donabon's Hist.

of Ancient Greek Literature; Roman Classical

Literature (Brown's); Theatre of the

Greeks (Donabon's.)

PHILOLOGY.—Miller's Science of Language, Vols I, II; Clark's

Comparative Philology; Donabon's variorum, chaps.

VI, VII, VIII, IX, XI, XIV; Donaldson's Crætyles,

Book I, chap. 5, Book III, chap. 2, Book IV, chapter 4;

Lewis's Essay on the Romance Language.

MATHEMATICS AND MATHEMATICAL PHYSICS.**THIRD YEAR.**

Spherical Trigonometry, with application to Astronomy; DeMoivre's Theorem and Angular Analysis.

Analytical Geometry.—The Straight Line, the Circle, the Parabola, the Ellipse, the Hyperbola.

Differential Calculus—Differentials; Theorems of L'Hôpital, Maclaurin, and Taylor; Maxima and Minima of Functions of One Variable. Theory of Equations—Theorems regarding the Roots of Equations; Sturm's Theorem with Horner's Method of solving the Higher Equations.

FOURTH YEAR.

Analytical Geometry—The Locus of the Equation of the Second Degree between two Variables; Plane Loci.
 Differential Calculus: Maxima and Minima of Functions of two Variables; change of the Independent variable; Radius of Curvature; Osculating Circle; Envelopes; the Tracing of Curves from their Equations.
 Integral Calculus—Integration of Simple Forms; Integration by Parts, and Formulae of Reduction; Applications to Surfaces, Volumes, &c.; Differential Equations, selected course.

EXPANSION OF THE ORDINARY COURSE IN MATHEMATICAL PHYSICS.

Essential Sections of Parkinson's Elementary Mechanics, Parkinson's Optics, and Lyman's Astronomy. Selections from Wilson's Mechanical Problems.

BOOKS RECOMMENDED—(In Order of Preference)

- Tochster's Spherical Trigonometry.
- Tochster's Plane Trigonometry or Colenso's (2nd part)
- Paché's or Tochanic's Conic Sections.
- Hall's, (Hind's, Tochanic's), Logarithmic and Integral Calculus.
- Tochanic's or Young's Theory of Equations.
- Boole's Differential Equations.

EXPERIMENTAL PHYSICS.

- Ganot's Physics, by A. Kinross.
- Heat a Mode of Motion, by Tyndal.
- Optics, by Sir David Brewster.
- The Student's Text Book of Electricity (Noid.)
- Nichols' Physical Science (Article, Miscellaneous).

MENTAL AND MORAL PHILOSOPHY.

LOGIC.

Sir William Hamilton's Lectures on Logic. Whately's Logic, Books II., III.; Mill's Logic, I., II.; Sir William Hamilton's Lectures on Metaphysics.

METAPHYSICS AND EPISTEMOLOGY.

Descartes' Principles of Philosophy. Berkeley's Principles of Human Knowledge. Reid's Essays, VI. Sir William Hamilton's Philosophy of Perception and Philosophy of the Unconditioned. Mill's Examination of Sir William Hamilton's Philosophy. Lewis' Biographical History of Philosophy. Cousin's Philosophy of the Beautiful. Alison's Essays on the Principles of Taste. Burke on the Sublime and Beautiful.

COURTYN JACHT ETHICS.

Macintosh's Dissertation on the Progress of Ethical Philosophy.
 Butler's Sermons on Human Nature, with the Preface and the Dissertation on the Nature of Virtue.
 Smith's Theory of Moral Sentiments.
 Thompson's Christian Theism.
 Aristotle's Ethics, Books I., III., VI., X., (in English).

HISTORY, POLITICAL ECONOMY, AND ENGLISH LANGUAGE AND LITERATURE.

ENGLISH LANGUAGE.

Coxson's Selections from Saucy and English Literature.
 Lectures on the English Language, (Gen. P. Marsh.)
 Study of the English Language, (F. A. March.)
 Latham's English Language.
 Trench's English Past and Present.

HISTORY.

Bede's Ecclesiastical History of England.
 Freeman's History of Norman Conquest of England.
 Macaulay's History of England.
 Hallam's Constitutional History.
 Blyden's Holy Roman Empire.
 Meade's Lectures on the History of France.
 Meade's History of Germany.
 Muller's Northern Antiquities.
 Guizot's History of Civilization.

POLITICAL ECONOMY.

Smith's Wealth of Nations, by MacCalloch.
 Science of Wealth, by Walker.
 Plato's Republic, Books I., IV., (in English.)



LIFE, 1870

TIME TABLE.

HOURS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
9-10.	French (or Spanish).	Prac. Chemistry—2 days. French (or Spanish).	Prac. Chemistry—3 days. Honor Classics—1 day. French—3 days.	Classics—2 days. Honor Classics—1 day. French—3 days.
10-11.	Rhetoric— Daily.	Mathematics— Daily.	Classics—4 days. Honor Classics—1 day.	Ethics, Political Econ.— Daily.
11-12.	Mathematics— Daily.	Classics— Daily.	Mineralogy—Mo, Tu, Fri. Honor English Literature— 1 day.	History— 4 days.
12-1.	Classics— Daily.	Logic and Psychology— Tu, Wed, Th, Fri.	Exp. Physics—2 days. Math. Physics—2 days. Advanced Physics—1 day.	Engl. Physics—1 day. Math. Physics—1 day.
1-2.			Honor Mathematics— 2 days.	Honor Mathematics— 2 days.
2-3.		Chemistry— Daily.	Chemistry— Daily.	
3-4.			German— 2 days.	German— 1 day.

Degrees Conferred, April, 1872.

MASTER OF ARTS.

JOSEPH ANNAND, B. A. HERBERT A. BAYCE, B. A.
JAMES FORRESTER, B. A. JOHN J. MCKENZIE, B. A.

DOCTOR OF MEDICINE AND MASTER OF SURGERY.

GEORGE E. H. DEWOLF. FINLAY MacMILLAN.
CHARLES W. HITE. WILLIAM MCKEAR.
ROBERT SUTHERLAND.

BACHELOR OF ARTS.

WILLIAM P. ARCHIBALD. WILLIAM T. BRUCE.
JAMES W. CARRECHALL. WILLIAM CHURCHMAN.
DUNCAN C. FRASER. ADAM GUNN.
HUGH MCKENZIE. ALEXANDER W. FOLLOK.
ERASMUS SCOTT. ARTHUR I. THURMAN.

Prizes and Certificates of Merit.

UNIVERSITY PRIZES.

FOURTH YEAR.

CLASSICS.....	William F. Archibald.
ENGLISH.....	Ephraim Scott.
HISTORY.....	William F. Archibald.
MODERN LANGUAGES.....	William F. Archibald.

THIRD YEAR.

CLASSICS.....	Charles D. McDonald.
METAPHYSICS.....	Charles D. McDonald.
NATURAL PHILOSOPHY.....	Alex. H. MacKay.
CHEMISTRY.....	Alex. H. MacKay.
BOTANY AND ZOOLOGY.....	Alex. H. MacKay.
MODERN LANGUAGES.....	Charles D. McDonald.

SECOND YEAR.

CLASSICS.....	James C. Herdman.
MATHEMATICS.....	(St. Andrew's period, James C. Herdman; 2 nd , Danl. S. Fraser.
PSYCHOLOGY.....	James C. Herdman.
CHEMISTRY.....	James C. Herdman.

FIRST YEAR.

CLASSICS.....	1 st , George McMillan.
	2 nd , Robert McLellan.
MATHEMATICS.....	Robert McLellan.
HEBREW.....	Robert McLellan.

CERTIFICATES OF GENERAL MERIT.

OF THE FIRST CLASS:—Fourth Year—William F. Archibald. Third Year—Charles D. McDonald, Alex. H. MacKay, David S. Cameron. Second Year—James C. Herdman, (Pictou Academy), Danl. S. Fraser. First Year—Robert McLellan, (Pictou Academy).
OF THE SECOND CLASS:—Fourth Year—Ephraim Scott. First Year—Wm. Brownrigg, (Pictou Academy), George McMillan, (Private Tuition), Wm. A. Mills.

NORTH BRITISH SOCIETY'S BURSARY.

The North British Society's Bursary of the Annual Value of \$60 was awarded to James C. Herdman.

SPECIAL PRIZES.

The GRANT PRIZE of \$20 for the best Essay on "The Mechanical Theory of Heat" was awarded to Alex. H. MacKay.

The YOUNG PRIZE of \$25 for the best Essay on "The Moral and Political Effects of the Revolution in England in 1688," was awarded to Ephraim Scott.

The PRIZE of \$50 offered by Col. Laing for the best Essay on "Manufactures in Nova Scotia; how occupation may best be employed for their development" was awarded to Duncan C. Fraser.

The YOUNG PRIZE of \$20 for Education, open for competition to Students of the first and second years, was won by Wm. A. Mills.

UNIVERSITY OF ST. ANDREW'S HIGHER SCHOOL

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Examinations, 1871-2.

SCHOLARSHIP EXAMINATION, OCTOBER, 1871.

The Scholarships of Travel for Competition to Students entering as Undergraduates were gained by

WILLIAM BROWNIE, Pictou Academy.
GEORGE McMILLAN, Private Tuition.

UNIVERSITY EXAMINATIONS.

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

SUPPLEMENTARY EXAMINATIONS, OCT., 1871.

THIRD YEAR—James M. Carmichael, Duncan C. Fraser.
SECOND YEAR—McNicol Logan.
FIRST YEAR—Alexander C. Paterson.

ENTRANCE EXAMINATION IN GRECIAN HISTORY.

(Held this Session in January, 1872.)

SECOND YEAR—David S. Fraser, James C. Herdman, Lauch Jordan, David McGregor, Donald McLeod, Jas. McD. Osley, R. G. Eadie.

The following Students of the Second Year passed an equivalent Examination in previous years:—

Walter S. Loyal, Wm. C. Herdman, Arch. Shaver.

SESSIONAL EXAMINATIONS, APRIL, 1872.

FINAL EXAMINATION FOR DEGREE OF B. A.—Wm. F. Archibald, Wm. T. Frazer, James M. Carrick, Wm. Craik-Johnson, Duncan C. Fraser, Adam Gunn, Hugh McKenzie, Alex. W. Pollok, Ephraim Scott, Arthur I. Treaman.

THIRD YEAR.—William Cameron, David F. Creehan, John Hunter, McNicol Logan, Charles D. McDonald, Alex. H. MacKay, James A. McKee.

SECOND YEAR.—David S. Fraser, Wm. C. Herdman, James C. Herdman, David McGregor, Donald McLeod, James McD. Osley, Robert S. Snellic.

FIRST YEAR.—(In the B. A. Course)—William Brownrigg, James R. Coffa, Bl. Francis, Andrew Gray, Archibald Gunn, Isaac McDowal, Alex. McLean, Robert McLellan, Alex. McLeod, Jas. McMillan, Wm. A. Miles, Jas. A. Smith. (In the B. Sc. Course)—James H. Neil.

STANDING OF THE STUDENTS IN THE SEVERAL SUBJECTS.

(The names in the First and Second Classes are arranged in the order of merit; the others, alphabetically.)

CLASSICS

FOURTH YEAR.—(Final Examination for the Degree of B. A.)—*Latin*: Class 1.—Wm. P. Archibald, Class 2.—None. Class 3.—Bruce, Wm. T.; Cameron, James M.; Cruickshank, William; Fraser, DUNCAN C.; Gunn, Adam; McKenzie, Hugh; Pollok, Alex. W.; Scott, Ephraim; Trueman, Arthur I. *Greek*: Class 1.—None. Class 2.—William P. Archibald, Class 3.—Gunn, Adam; Pollok, Alexander W.

THIRD YEAR.—*Latin*: Class 1.—Charles D. McDonald, Class 2.—David F. Crookman, Class 3.—Cameron, William; Duff, Kenneth; Hunter, John; Logan, John A.; Logan, Melville; McDonald, Henry; McKay, Alex.; McKeen, Jas.; Robinson, J. Milton. *Greek*: Class 1.—Charles D. McDonald, Class 2.—David F. Crookman, Class 3.—Logan, Melville.

SECOND YEAR.—*Latin and Greek*: Class 1.—James C. Herdman, Class 2.—None. Class 3.—Fraser, Dan. Stiles; Herdman William C.; McGregor, Daniel; McLeod, Donald; Oxley, James McD.; Sinclair, Robert G.

FIRST YEAR.—*Latin and Greek*: Class 1.—George McMillan, Robert McLellan, Class 2.—William Brownrig, Class 3.—Coffin, James R.; Francis, Edward; Grey, Andrew; Gunn, Archibald; McDowall, Isaac; McLean, Alexander; McLeod, Alexander; Mills, William A.; Smith, James A.

LATIN.

Class 3.—Bell, Francis H, Student in Science; Sinclair, John H., General Student.

MATHEMATICS.

SECOND YEAR.—Class 1.—James C. Herdman, Daniel S. Fraser, Class 2.—Robert G. Sinclair, Class 3.—Herdman, Wm. C.; McGregor, Daniel; McLeod, Donald; Oxley, James McD.

FIRST YEAR.—Class 1.—Robert McLellan, Class 2.—William A. Mills, George McMillan, James R. Coffin, Edward Francis, Archibald Gunn, William Brownrig, Class 3.—Isid. Francis H.; Forbes, Jas. A.; Gordon, Edward; Grey, Andrew; McDowall, Isaac; McLean, Alex.; McLeod, Alex.; Sinclair, John H.; Smith, James A.

METAPHYSICS.

THIRD YEAR.—Class 1.—Charles D. McDonald, Alex. H. MacKay, David F. Crookman, James A. McKeen, Wm. Cameron, Class 2.—Kenneth Duff, J. Milton Robinson, John Hunter, Class 3.—Logan, John A.; Logan, Melville.

LOGIC AND PSYCHOLOGY.

SECOND YEAR.—Class 1.—James C. Herdman, Daniel Stiles Fraser, Jas. McD. Oxley, William C. Herdman, Class 2.—Robert Sinclair, Daniel McGregor, Donald McLeod.

CHEMISTRY.

THIRD YEAR.—Class 1.—Alex. H. MacKay, Class 2.—William Cameron, Class 3.—Hunter, John; Logan, John A.; McKeen, James A.

SECOND YEAR.—Class 1.—J. C. Herdman, Danl. S. Fraser, Class 1.—D. McLeod, Class 2.—Herdman, Wm. C.; McGregor, Danl.; McLean, John; Mitchell, William F.; Oxley, James McD.; Sinclair, R. G. **PRACTICAL CHEMISTRY.**—Class 1.—Alex. H. MacKay, Class 2.—Wm. Cameron.

BOTANY AND ZOOLOGY.

FIRST YEAR.—Class 1.—Alexander H. MacKay, David F. Crookman, Class 1.—John A. Logan, Charles D. McDonald, Class 3.—Bell, F. H.; Troop, W. H.

NATURAL PHILOSOPHY.

THIRD YEAR.—Class 1.—Alex. H. MacKay, Charles D. McDonald, David F. Crookman, Class 2.—None. Class 3.—Cameron, Wm.; Hunter, John; McKeen, James A.; Logan, Melville.

ETHICS AND POLITICAL ECONOMY.

FOURTH YEAR.—Class 1.—Ephraim Scott, Jas. M. Carmichael, Arthur I. Trueman, Wm. P. Archibald, Wm. Cruickshank, Alex. W. Pollok, Class 2.—William Bruce, Hugh McKenzie, Duncan C. Fraser, Adam Gunn.

HISTORY.

FOURTH YEAR.—Class 1.—Wm. P. Archibald, Jas. Carmichael, Ephraim Scott, Class 2.—Wm. Cruickshank, Duncan C. Fraser, Arthur I. Trueman, Class 3.—Bruce, Wm. T.; Gunn, Adam; McKenzie, Hugh; Pollok, Alex. W.

THEORY OF GOVERNMENT AND CONSTITUTIONAL HISTORY.

FIRST YEAR.—Class 1.—Robt. McLellan, W. H. Brownrig, F. H. Bell, W. A. Mills, Class 2.—Geo. McMillan, Jas. W. Smith, Edw. Francis, Jas. R. Coffin, Alex. McLeod, Archibald Gunn, John H. Sinclair, Class 3.—Forbes, James A.; Gordon, Edw.; Grey, Andrew; McDowall, Isaac; Mitchell, Wm. F.; McLean, Alex.; McLeod, Wm.; Morrow, Geoffrey.

FRENCH.

FOURTH YEAR.—Class 1.—W. P. Archibald, Class 2.—James A. Carmichael, Hugh McKenzie, Ephraim Scott, Wm. T. Bruce, Arthur I. Trueman, William Cruickshank, Class 3.—Fraser, DUNCAN C.; Gunn, Adam; Pollok, A. W.

THIRD YEAR.—Class 1.—Charles D. McDonald, David F. Crookman, Class 2.—A. H. McKay, Class 3.—Bell, Francis H.; Cameron, William; Duff, Kenneth; Hunter, J.; Logan, John A.; Logan, Melville; McDonald, Henry; McKeen, Jas. A.; Robinson, J. Milton.

GERMAN.

FOURTH YEAR.—Class 1.—Ephraim Scott, Class 2.—Arthur I. Trueman, Class 3.—Bruce, William T.; Carmichael, James A.; Cruickshank, William; Fraser, Duncan C.; McKenzie, Hugh.

THIRD YEAR.—Class 1.—Chas. D. McDonald, Class 2.—A. H. MacKay, Francis H. Bell, J. Milton Robinson, Kenneth Duff, Class 3.—McKeen, Jas. A.

Graduates and Undergraduates of the University, and General Students in Arts.

GRADUATES.

MASTERS OF ARTS.

1860.

Chase, Henry Joseph Cornwallis.

1870.

McNaughton, Samuel Garsberough.
Macdonald, John H. Kenilzie.

1871.

Cameron, J. J. Georgetown, P. E. Island.
Carr, Arthur E. St. Edward's, P. E. Island.
Smith, David H. Truro.

1892.

Annand, Joseph Nicosu.
Bayne, Robert A. Pictou.
Forrest, James Halifax.
McKenzie, John J. Pictou.

DOCTORS OF MEDICINE AND MASTERS OF SURGERY.

1872.

DeWolf, George H. H. Dartmouth, N. S.
Bliss, Charles W. Bridgetown, Antigua.
McMinn, Finlay Pictou Co.
McLach, William Richmond, C. B.
Sutherland, Robert River John, Pictou.

BACHELORS OF ARTS.

1866.

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

1867.

Barnes, Julius C. Cornwallis.
Cameron, J. J. Georgetown, P. E. Island.
Lippincott, Aubrey New Glasgow.
McDonald, John H. Cornwallis.
McNaughton, Samuel East River, Pictou.
Ross, Alexander Rogers' Hill, Pictou.
Schwartz, Robert Middle Musquodoboit.
Smith, David H. Truro.
Smith, Edwin Truro.

1868.

Carr, Arthur F. St. Edward's, P. E. Island.
Christie, Thomas M. Yarmouth.
Creighton, James G. A. Halifax.
Farross, James Halifax.
McKay, Kenneth Handwood Hill, Pictou.
Simpson, Isaac Merigonish, Pictou.

1869.

Annand, Joseph Gey's River, Pictou.
Bayne, Robert A. Pictou.
Miller, Ebenezer D. Rogers' Hill, Pictou.
McKenzie, John J. Green Hill, Pictou.
Sutherland, John M. West River.

1870.

Lindsay, Andrew W. H. Halifax.
Scott, Hugh M. Sherbrooke.
Thorburn, Walter M. Bermuda.
Wallace, John Shubenacadie.

1871.

Bayne, Ernest S. Pictou.
McGregor, James G. Halifax.
Russell, Alexander G. Truro.

1872.

Archibald, Wm. P. Halifax.
Brace, Wm. T. Middle Musquodoboit.
Carniclac, James New Glasgow.
Crackahack, Wm. Lower Musquodoboit.
Fraser, Duncan C. New Glasgow.
Gunn, Adam East River, St. Mary's.
McKenzie, Hugh Karlon.
Polak, Alexander W. French River, Pictou.
Scott, E. J. Douglas Cove.
Trueman, Arthur L. Pain DeBate, N. B.

UNDERGRADUATES, 1871-72.

FOURTH YEAR.

Archibald, Wm. P. Halifax.
Brace, William T. Middle Musquodoboit.
Carniclac, James M. New Glasgow.
Crackahack, William Lower Musquodoboit.
Fraser, Duncan C. New Glasgow.
Gunn, Adam East River, St. Mary's.
McKenzie, Hugh Karlon.
Polak, Alexander W. French River, Pictou.
Scott, E. J. Douglas Cove.
Trueman, Arthur L. Pain DeBate, N. B.

THIRD YEAR.

Cameron, William Sutherland's River, Pictou.
Creighton, David F. Stewiack.
Duff, Kenneth Lunenburg.
Hunter, John New Glasgow.
Logan, John H. Upper Stewiack.
Logan, Neville Halifax.
MacDonald, Charles D. Pictou.
MacDonald, Henry Halifax.
McKay, Alexander H. Dalhousie, Pictou.
McKeen, James A. Pictou.
Robinson, J. Milton Beville, N. B.

SECOND YEAR.

Doxell, Walter S. Halifax.
Fraser, Dm. S. Dalhousie, Pictou.
Herliana, James C. Pictou.
Herliana, Wm. C. Pictou.
Jerdan, Lewis H. Halifax.

Faculty of Medicine.

THE PRINCIPAL (en-ef-fo-ia)

Professor.....	ALMON, LAWSON, RISB, FARRELL, WHEELER, SLAYTER, SOMMER, GORDON, DEWOLF, BLANCHARD.
Demonstrator.....	A. LAWSON, M. D.
President of the Faculty.....	W. J. ALMON, M. D.
Dean.....	A. P. REID, M. D.
Registrar.....	H. A. GORDON, M. D.
Matriculation Examiner to the Faculty.....	PRINCIPAL RISB, D. D.

The Sixth Session of the Medical Faculty of Dalhousie College and University will be opened on Tuesday, the 29th of October, 1872, with a general introductory lecture. The regular lectures will commence on Wednesday, the 30th of October, and will be continued during the six months following.

The class tickets for the various courses are accepted as qualifying candidates for examination before the Universities of Edinburgh, McGill Montreal, Harvard Boston, and the New York Schools of Medicine.

Registration is necessary every session—it is required upon entrance, or as soon afterwards as possible, and always before any class tickets are procured. The time fixed for closing the Register is annually on the fifteenth of December. Class tickets are payable in advance, and if not taken out within the prescribed period of the current session, will not be granted after its expiration.

The Student is advised to pass the Matriculation Examination in March, so that his four years of purlage may expire at the close of a winter session. This examination is recommended to be passed before the attendance of a Medical Course—it is similar to that required by McGill University, Montreal, the College of Physicians and Surgeons of Ontario, the provincial law of Nova Scotia, and recommended by the Council of Medical Education and Registration of Great Britain. The time set apart for this examination will be made known after the commencement of the Session. Graduates in Arts of re-

cognized Universities are not required to submit to the Matriculation Examination.

While the University regulations permit a student to graduate after three years' attendance upon Lectures, provided he furnish proof that he has studied one year before attending Lectures, with a private practitioner, yet he is recommended to devote four sessions to systematic instruction, as less time is scarcely sufficient in which to acquire a fair knowledge of the many subjects which compose the curriculum.

With regard to the examination, students are requested to turn to section 10, Article 4, of the "Qualifications and Studies of Students and Graduates for the Medical Degree," in a succeeding part of this announcement.

The division of the examination into primary and final adopted by the McGill University, Montreal, and found to be most advantageous to students, will be adopted by this Faculty also; and it is hoped that the greater number of third year students will avail themselves of this arrangement.

Students of Dentistry will find it of advantage to attend the lectures on Chemistry, Anatomy, and Practical Anatomy.

To intending Druggists' Assistant, the lectures on Chemistry and Materia Medica will be of great practical assistance.

Students of Law will be very much benefited by attending the lectures on Medical Jurisprudence by Dr. DeWolf, H. Blanchard, Esq., Q. C., and Dr. Lawson—the subjects of Insanity, Law as related to Medicine, and Toxicology, being fully explained.

For additional information apply to the Dean of the Faculty of Medicine, A. P. Reid, M. D., 98 Argyle Street, Halifax, N. S.

Course of Instruction in the Faculty of Medicine.

(The Lectures will be delivered in the University Building.)

I—OBSTETRICS.

Prof. SLAYTER, Surgeon to City Hospital.

Including Diseases of Women and Children, illustrated by plates, manikins, etc. Every facility will be given to senior students for attending midwifery cases at the Alms-house and Dispensary, under the direction of the medical officers.

The Emerita Professor, Dr. AMON, will also give a number of practical lectures.

Class Books—Boodford, Tyler Smith, Cascar, Scarzoni on Diseases of Women—West on Children.

II—MEDICINE.

Prof. ERIN, Physician to City Hospital.

Divided into Principles and Practice. This course will be illustrated by coloured plates and morbid preparations, and special attention will be directed to diseases of the heart and lungs, and to their physical diagnosis, which will be illustrated by the numerous cases in the City Hospital, under the immediate instruction of the Professor, and to which cases every student may have direct access, thus enabling him to obtain a practical knowledge of this part of the profession.

Class Books—Tanner, Flint, Watson, Barlow, Reynolds, Niemeyer.

III—SURGERY.

Prof. FERRELL, Surgeon to City Hospital.

Divided into Principles and Practice, including Surgical Anatomy and Operative Surgery, exhibited on the subject. The various surgical instruments and apparatus will be shown, and their uses and applications illustrated.

Class Books—Druitt, Erichsen, Gross, Holmes.

IV—CHEMISTRY.

Prof. LAWSON.

This course will be illustrated by diagrams, tables, apparatus, preparations, and demonstrations on the black-board—Experiments daily.

Class Book—Fownes' Manual.

Practical Chemistry.

There will be a separate class for Practical Chemistry specially suited to the requirements of Medical Students.

Laboratory Books—Freeseius's Quantitative, Bowman's Med. Ch.

V—INSTITUTES OF MEDICINE.

Prof. SOMMERS, Physician to City Dispensary.

This course will embrace the principles of Human Physiology, Histology, the use of the Microscope, and General Pathology.

Class Books—Dalton, Carpenter, Todd & Bowman, Kirk & Paget, and Williams' Principles of Medicine.

VI—MATERIA MEDICA.

Prof. WOODS, Physician to City Dispensary.

This course will be illustrated by specimens of medicinal plants and samples of the various drugs, chemicals, etc.

Class Books—Pereira by Farre, Stille, Neligun, Dispensatories.

VII—ANATOMY.

Prof. GORDON, Surgeon to City Dispensary.

This course will be illustrated by the fresh subject—dried preparations—including skeletons, etc., and life-size coloured plates. Every facility will be afforded to students to become practically acquainted with Anatomy under the Professor and Demonstrator.

Practical Anatomy.

A. LAWSON, M. D.

Rooms open from 4 to 6, and from 8 to 10, p. m.

Class Books—Gray, Wilson, Sharpey & Quain, Ellis's Dissector.

VIII—MEDICAL JURISPRUDENCE.

Prof. DEWOLF, Superintendent of the Hospital for Insane.
Prof. BLANCHARD, Q. C.

This course includes Toxicology, the mode of testing for poisons, Insanity, and public Hygiene.

Prof. DEWOLF will have ample opportunities for instructing his class in the important subject of Psychological Medicine.

Prof. BLANCHARD will give a short course of lectures on the legal points connected with this branch of study.

Prof. LAWSON will lecture on the subject of Chemical Toxicology.

Class Books—Taylor's Jurisprudence, Guy's Forensic Medicine.

IX—CLINICAL MEDICINE.

X—CLINICAL SURGERY.

Taught by lectures and tutorially at the bed-side by the Physicians and Surgeons at the Provincial and City Hospital, and City Dispensary, at which institutions ample material is afforded for both classes. The students being individually trained at the bed-side both in Diagnosis and Treatment.

XI—BOTANY.

Prof. LAWSON.

Students are required to attend one course of three months on this subject. The Natural Orders containing Medicinal and Poisonous plants, will be illustrated as fully as possible.

Prizes.

THE SIR WILLIAM YOUNG PRIZES.

These amounting to \$30 are offered by the Hon. Sir William Young, Kt., Chief Justice of Nova Scotia, to encourage the study of Practical Anatomy. Particulars given at the commencement of the Session.

THE DR. AVERY PRIZES.

These are offered by James F. Avery, M. D., to encourage the study of Clinical Medicine. There are two prizes, of \$10 each, for the best Clinical Reports. Particulars given at the commencement of the Session.

THE W. H. NEAL PRIZE.

A Prize of \$20 is offered by W. H. Neal, Esq., to the student passing the best final examination for the Degree of M. D.

Hospitals, etc.

THE PROVINCIAL AND CITY HOSPITAL is visited daily at 12 M., by the Medical Officers; and the CITY ALMS HOUSE containing from 200 to 400 inmates, many of whom are in the Hospital Wards, will be available to students without fee. The best opportunities are here presented for clinical instruction, midwifery practice and treatment of diseases, likewise for the observation of pathological appearances, which will be demonstrated by post-mortem examinations. There is a Hospital fee of \$1 for certificate of attendance.

THE HALIFAX DISPENSARY is carried on after the model of the DeMilt Dispensary, New York, being divided into three departments, viz.: (1) *Surgical*, including the Eye and Ear, (2) *Medical*, including the Heart and Lungs, (3) *Disease of Women and Children*. Here the student can have the advantage of becoming practically acquainted with the less severe forms of disease, and will have the privilege likewise of seeing patients with the visiting physicians, and have opportunities for Obstetric practice.

Past Session.

DEGREE OF M. D., C. M.

The following gentlemen after having complied with the regulations of this University, and passed satisfactory examinations received the degree of M. D., C. M.:

Name.	Residence.	Thesis.
ROBERT SUTHERLAND,	River John, Pictou Co.,	The Pus Crassie.
Geo. H. DeWOLF,	Dartmouth, N. S.,	Surgical Anæsthesia.
Chas. W. Hillz	Bridgewater, Annapolis, N. S.	Ammonia.
Wm. McRae,	Richmond, C. B., N. S.	Ovarian Drapery.
FISLAY MACMILLAN,	Pictou Co., N. S.	Alcohol.

The following gentleman passed the primary examination, which includes Anatomy, Chemistry, Materia Medica, Institutes of Medicine and Botany:

A. W. H. LINDSAY, Halifax.

PRIZES.

✓ Mr. W. H. NEAL'S Prize for best final examination for the degree M. D., C. M.:—Roderic Sutherland, River John, Pictou County.

✓ Rev. G. M. GRANT'S Prize for best primary examination:—A. W. H. Lindsay, Halifax.

✓ Sir Wm. YOUNG—Prizes in Anatomy—(Practical):—For best Anatomical preparation—D. A. Campbell, Truro. Anatomy Senior Class—D. A. Campbell, Truro. Anatomy, Junior Class—P. M. Ryan, Halifax.

✓ Dr. J. F. AVERY—Prizes for Clinical Reports of Cases:—Clinical Medicine—F. McMillan, Wm. McRae—Clinical Surgery—R. Sutherland.

✓ Prof. SLATTERY'S Prizes in Obstetrics:—G. H. H. DeWolf and Chas. W. Hillz.

✓ Prof. BLANCHARD'S Prize in Forensic Medicine:—Geo. H. H. DeWolf. Honorary Certificates in Practical Anatomy—D. A. Campbell, W. S. Muir and A. W. H. Lindsay.

Extracts from the Regulations.

COURSES OF LECTURES, FEES, &c.

1st.—Each Professor shall deliver at least five lectures during the week, except in the classes of Clinical Medicine and Clinical Surgery, in each of which only two Lectures shall be required; and in that of Medical Jurisprudence, if extended through six months, in which case three lectures a week will suffice.

2nd.—Each Lecture shall be of one hour's duration.

3rd.—Every Professor shall occasionally examine his class upon the subjects treated of in his preceding Lectures; and every such examination shall be considered a Lecture.

4th.—A roll of the names of the Students attending each class shall be called from time to time.

5th.—All tickets which have not a Certificate of attendance attached, shall be rejected when presented as testimonials previous to examination, unless the omissions shall be satisfactorily accounted for.

6th.—The fee for each class shall be \$12, with the following exceptions: For each of those of Medical Jurisprudence, Practical Anatomy, Practical Chemistry, and Botany, \$6; for Clinical Medicine and Clinical Surgery, each \$6. The class fees are payable in advance, to the Registrar, who will furnish all tickets.

7th.—Any student, after having paid the fees, and attended two courses of any class, shall be entitled to a perpetual ticket for that class.

8th.—The courses of all the Classes, except Practical Chemistry, Botany and Medical Jurisprudence, shall be of six months' duration; the Classes of Practical Chemistry and Botany, of three months' duration; and that of Medical Jurisprudence, either of three months' duration, in which case Five Lectures a week shall be given, or of six months' duration, in which case only three Lectures a week shall be required.

9th.—The courses shall commence on the last Tuesday in October, and with the exception of a vacation at Christmas, shall continue till the end of April.

10th.—The Matriculation or Preliminary Examination is similar to that required by McGill University, Montreal: the Medical Act of Nova Scotia; adopted under the Medical Act for Ontario, and recommended by the "Council of Medical Education and Registration" of Great Britain. The requirements are: **COMPULSORY**—English Language, including Grammar and Composition; Arithmetic, including Vulgar and Decimal Fractions.

tions; Algebra, including Simple Equations; Geometry, first two books of Euclid: Latin, Translation and Grammar; and one of the following **OPTIONAL** Subjects—Greek, French, German, Natural Philosophy, including Mechanics, Hydrostatics, and Pneumatics. Students passing this examination will receive a Certificate. Students may attend the classes without passing this examination.

Graduates in arts of recognized Universities are not required to submit to the matriculation examination.

Qualifications and Studies of Students and Candidates for the Medical Degree.

1st.—All Students desirous of attending the Medical Lectures* shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty, and procure from the Registrar a ticket of Matriculation, for which each Student will pay a fee of \$2.

2nd.—The said Register shall be closed on the 15th day of December in each year, and no tickets obtained from any of the Professors shall be received without previous re-enrollment.

3rd.—No one shall be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not either: 1st, have attended Lectures for a period of at least four Sessions in this University, or some other University, College, or School of Medicine, approved by this University; or 2nd, have studied Medicine during at least four years; and during that time have attended Lectures for a period of at least three Sessions, either in this University or some other University, and shall have passed the matriculation examination if not a Graduate in arts.

4th.—Candidates for the final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz.:

Anatomy,
Chemistry,
Materia Medica and Pharmacy,
Physiology,
Principles and Practice of Surgery,
Obstetrics and Diseases of Women and Children,
Principles and Practice of Medicine,
Practical Anatomy,
Clinical Medicine,
Clinical Surgery,
Medical Jurisprudence,
Botany,
Practical Chemistry.

Of which two courses will be required, each of six months' duration.

} Of which one course will be required, each of three months' duration.

Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.

5th.—The Candidate must also give proof by ticket of having attended during twelve months the practice of the Provincial and City Hospital, or that of some other Hospital, approved by this University.

6th.—He must also give proof by ticket of having attended for at least six months the practice of a Lying-in-Hospital, approved of by the University, or of having attended at least six cases of accouchement.

7th.—No one shall be permitted to become a Candidate for examination, or shall receive a degree, who shall not have attended at least One Session of this University, and have obtained from it the tickets for one full Course of all the branches included in its curriculum.

8th.—Courses of less length than the above will only be received for the time over which they have extended.

9th.—Every Candidate for the degree must on or before the 15th day of March, present to the Dean of the Medical Faculty testimonials of his qualifications entitling him to examination, and also a Thesis or inaugural dissertation, written by himself, on some subject connected with Medical or Surgical Science. He must at the same time deliver to the Dean of the Faculty the following Certificate:

HALIFAX, _____ 18

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, (or if the case be otherwise, that I shall have attained the age of twenty-one years before the next graduation day.) [Signed,] A.B.

10th.—The trials to be undergone by the Candidate shall be: (1.) The private examination of his Thesis as evidence both of Medical and general acquirement, followed [if approved] by its public defence.

(2.) A general written and oral examination on all the branches of Medical and Surgical Science.

(3.) The Clinical Professors shall conduct the examinations of their classes at the bedside, submitting to them cases for diagnosis and treatment in the wards of the Hospital; they shall also, in estimating the standard of members of their classes and the number of marks to be awarded, take into account the regularity of their attendance and the diligence and care they have evinced in reporting cases.

These examinations will be divided into primary and final, the former comprehending the branches of Anatomy, Chemistry, Materia Medica, Physiology, and Botany or Zoology; the latter, those of Practice of Medicine, Surgery, Obstetrics, and Medical Jurisprudence. It will be optional with the student to present himself for the primary examination at the end of the third session or the third year.

11th.—The following Oath or affirmations, will be exacted from the Candidate before receiving his Degree:

SPONSIO ACADEMICA.

In Facultate Medicinae Universitatis Dalhousianae—

Ego, A— B—; Doctoratus in Arte Medica titulum junctum donatus, Sancto coram Deo eorum auctoritate, spondeo, me in omnibus graduum officiis, erga hanc Universitatem a ceteram vice habitam, perseveraturum, tam potro, setam medicam, curam, casum et probe exercitaturum; et, quod in me sit, omnia ad aegrosorum corporum salutem conducenda, cum fide procuraturum; quo denique, inter molestam, viam vel aucta silere conveniat, non sine gravi causa vulgaturum. Ita presentis mihi spondenti scdit Numen.

12th.—The Fee for the Degree of Doctor of Medicine and Master of Surgery shall be twenty dollars, to be paid by the candidate before examination, together with a Registration Fee of one dollar.

N. B.—Board may be obtained at from \$12 to \$15 per month.

Students of Medical Faculty, Session 1871-72

Bett, J. K.	Halifax.
Bethune, John	Cape Breton.
Campbell, Donald A.	Truro.
Campbell, Angus	Pictou County.
Chisholm, Donald	Cape Breton.
Crusker, E. R.	Brookfield.
Cox, Robinson	Guysboro'.
DeWolf, Geo. H. H.	Dartmouth.
Dolan, W. C.	Halifax.
Gunn, Roger E.	Cape Breton.
Hills, Chas. W.	Stratford.
Lagley, F. W.	Halifax.
Lindsay, A. W. H.	Halifax.
Moore, Edmund	Leonardville.
Muir, Wm. S.	Truro.
Mulholland, Fred. H.	Halifax.
McMullan, Falay	Pictou County.
McMush, Alex. L.	Pictou County.
Melba, William	Cape Breton.
McKay, Duncan R. G.	Truro.
Ryan, Philip M.	Halifax.
Sutherland, Eudais	Pictou County.
Weston, E. A.	Dartmouth.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

WEDNESDAY, APRIL 27, P. A. M. 10 3 P. M.

LATIN.—FIRST YEAR.

CICERO: FOURTH ORATION AGAINST CATALINE.
VIRGIL: ÆNEID, BOOK IX.

PROFESSOR JENKINS, M. A. Examiner.

1. Translate the first extract (a) and either of the two next (b or c), but not both.

a. Omnia et privata et parata et constantia sunt, parvo conscripti, quum mea summa cura atque diligentia, tuas nihil etiam majore populi Romani ad summam imperium retinendum et ad conservandas fortunas conservandas voluente. Omnes adsumt omnibus cedunt homines, omnium denique actuum: plerum est forum, plura templa circum foras, pleni omnia altaria hujus templi se loci. Causa est enim post urbem conlatam hæc inventa sola in qua omnes sentirent unam atque item, prout eos qui quam sitit ederecum esse percundum, cum omnibus potius quam soli potire volebant. * * * * * Ceteri vero, illi immortales, que frequentis, quo studio, qua virtute ad commanem salutem dignitateque essentiant. Quid ego hic optules Romanos commorem? qui volis ita summam ordinis consilique consequati ut rebuscum de amore republice certent: que ex multitudine amorum dissidentes hujus outulæ ad societatem corroborantque revocant ludicium dico rebuscum atque hæc causa conjungit; quæ si conjunctioem in consuetudine confirmata inno perperam in republica tenuerimus, confinio vobis nullam posthac salutem civile ac domesticum sed ullam republicæ partem esse venturam.

b. Nunc ad hæc: Equidem de te mi tale verbar, Nec fis: non: ita me referat illi magnus exarctum Jupiter, aut quocunque oculis hæc aspexit aequal. Sed si quis—quæ rebus vides discernere ratione— Si quis in advenum rapit carnis densus, Tu superesse velim: tua vita dignior actus. Sit, qui me septem portis prætoris indomptum Mandet haurio, solum aut si qua id fortuna veritas, Absenti ferat inferas, decerpente sepulcro. Neu nostri referas tantis sine curas dolores, Quis in solis, post, matris e trahatque amia Persequatur, magni nec dactylis curis Accessit. Ille autem: Causas nequissimum necis hanc, Nec mea jura mutata loco sententia edit. Addeverum, ait. Virgiles stant exiliat. Illi Succedunt serenasque vias: statoris referat. Iste totum Nil graditur, regimine requirit.

c. Durum ab stirpe generas necos ad flamine primam Defertimus sternoque gella hauramus et unia; Venit in vigilans neci, atroxque fulgans; Electæ ludæ equæ se spectula tendere curat.

At patiens operum parvoque admetta juvenis Aut raris terram donat, aut quæ optata bellæ. Omne ævum ferro teritur, versaque juvenum Verga fatigans bæta; nec tarla senectus Debilitat vires an mi rompage vigorosa: Caricem gales proximis; semperque recentis Corporatum juvat prædas et vivere rapto. Vobis, pietæ creco et fulgore mortis vestis; Decidias cordi; juvat indulgentia choros; Et tanquam matricæ, et habent rotundæa nitras. O vero Phrygiæ, neque enim Phrygiæ, hoc per alta Diolyra, ubi adsums bifocum dat sibia cantum. Tympana vos buxusque vocat Berecyda Mauris Idææ: sinite arma viris et cadite ferro.

2. Analyse the sentence "Causa est enim . . . voluerunt," so as to show how its different clauses are connected together in language and thought.
3. a. Decline throughout in combination: *Ne fatifer avens, dices quidem tener, nullum nullam civile ac domesticum, una contra.*
4. Write all the cases of *inferas, vires, gen, Phrygiæ, æthere, comites, ious, deus, æ.*
4. What are the other degrees of comparison of *pauper, benevolus, facilis, procihus, perian, idoneus, natus, vorax, javentis.*
5. Write in Latin: 7777, 465th, $\frac{1}{2}$.
6. a. What are the other persons of *nolo referre, ingram, edo*. Write out the Pres. Indic. Act. of *videt, velle, nemo, peccat*, and the Pres. Indic. Pass. of *conficit, persequitur, videt, ferat*.
6. In what Tense, Mood, and Voice are these verbs and what are their principal parts, antient, tense, mood, number, gender, and case, *esse, scitis, requiritur, ferat, unde?*
7. a. Mark the quantity of each syllable of *fabulos, corporibus, amplexis, colligere, antichorus, celumque, vates*. Distinguish *figit, fugit: lapidem, lapidum: alidus, alidum: referit, referri: legatis, legatis, legatis.*
8. Scan the last five lines of the third passage for translation.
8. a. When do Intransitive verbs govern an Accusative? What verbs are followed by a Genitive? What Adjectives govern a Dative? A. Account for the cases of the following words which occur in the passages above: *est, sed, quæ, —, etia, prois, hanc, —, cessant, curas, operum, hanc, rapto, cordi.*
9. Give a short sketch of Cicero's life.
10. Translate into Latin:

Homer is deservedly called the King of Poets.
It will delight me to have published by the hands of men.
The ambassadors who have been sojourning at Rome will return home after a few days.
The magistrate condemns them in their absence to capital punishment.
Sennarius founded Babylon and surrounded it with a wall.
New, O Aeneas, you need courage, now a dauntless breast.
T. Lælius was appointed dictator about ten years after the first consul.
When the king heard this, he replied that he would come with his whole army in a few days.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

WEDNESDAY, APRIL 25, 3 TO 5.30 P. M.

CLASSICS.—FIRST YEAR. ADDITIONAL PAPER.

CICERO: SECOND PHILIPPIC.—DEMOSTHESES: FIRST PHILIPPIC.

PROFESSOR JOHNSON, M. A. *Examiner.*

Translate the following passages:

1. Hæc ut colligens, homo americanis, ter dies in aëna villa declamasti? quæquam te quiescit, ut tui familiarissimæ clementi, vini exhalandi, non invenit accendi causa declamasti. At vero adhuc joci causa magistrum, suffragio tuo et compositarum tuarum rhetorem, cui concessisti ut in te quæ velle diceret, celum omnia hominem, sed materia facilis es in te et in tuo dicta dicitur. Vide a-mou quid interest inter te et avam tuam. Ille sensim dicitur quod cause prodesset; tu curam dice aliena. At quæta merces rhetori data est! Audite, audite, patres conscripti et cætosicib républicis vulnura. Duo milia jugerum campî Leontii Sex. Cælio rhetori assignasti, et quidem immensâ, ut populi Romani tanta mercede nihil sapere diceret. Num etiam hoc, homo audacissimo, ex Cæsaris commentariis? Sed dicam illic loco et de Leontino agro et de Campano, quæque agro ereptis républice turpitudine possessores inquisivit. Jam enim, quoniam criminibus qui satis respondit de ipso emulatore, et corrotto nostro quedam dicitur, sum.

2. O præcedam! Iam percuratorem tuam necesse Aprili meo Male, non quoniam etiam Capsum colubam deducere conatus es. Quædammodum illic abieris, vel potius patens non abieris, sumus. Cui tu trîni militaria. Utinam coere, et aliquando illud 'pæne' tollatur! At quam nobilis est: tua illa peregrinatio. Quid præsidiorum appetitis, quid furiosam violentiam tuam proferam? Tui ista delicta sunt; illa nostra. Agrum Campanum, qui quoniam de vicigillibus eximelatur ut militibus duceret, tamen indigni magnæ républice vulnus putabamus, tunc in compræcoribus tuis et collucribus dividetis. Mimos dico et mimos, patres conscripti in agro Campano collocatos. Quis jam terrar de agro Leontino? quodam quibus hoc quoniam uratione Campana et Leontina in populi Romani pertinens gentilitera et fractiose festabat. Modico tui nulla iugerum, quæ te sanum fecisset; rhetori duo, quæ discretum facere potuisset.

3. Translate: Demosthenes' First Philippic, c. 44 13, 14.

5, 4 32, (Ed. Teubner.)

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1871.

THURSDAY, APRIL 11TH—0 A.M. TO 1 P.M.

GREEK.—FIRST YEAR.

LUCIAN.—CATAPLUS.

PROFESSOR JORNBCK, M.A. Examiner.

1. Translate :

(a) Ἐπεὶ δὲ αὐτὸ εἶπε τὸ στέφανος ἔγενετο ἐκείνους ὡς εἶπε καταπορεύσασθαι εἰς Αἰθίωπιν, ἀπέκτισεν λαογραφίαν αὐτοῖς, πρὸς τὸ παρὰ τῆς ἐκκλησίας παραθεῖναι αὐτὸν στέφανον, λατρεῖν αὐτῷ ὡς θεῷ, ὃ τριευαγγέλιος ἵκανὸν ἔχειν. Ἰδοὺς δὲ αὐτοὺς εἶπε τὸ ἰστορεῖν καὶ ἡ Αἰθίωπία ἀνατίθει τὰς ἑσθίας. Μὴ ἐπι τούτων, ὃ ἑρῶν φησὶ, χρόνῳ τῷ ἐκλεκτῷ ἄλλοι οὐκ εἰ ἐν σιγαῶν παύσαντο τὸ πνεῦμα δὲ ἀκριβῶς καὶ οὐδαμῶς λαθεῖν διδάσκουσιν. τίντωντες δὲ ἑσθίαν πρὸς τοῖς χιλιῶν ἔχου τὸ στέφανον εγκαταλείψαντες οὐκ εἰς μουσῶν ἕνα φησὶ ἄγων· εἰ μὴ τοῦτο φησὶ ὡς ἠεροειδέστερον τε ἢ ἄλλοις. ἔγωγε δὲ ἐπιδοκίμασας πρὸς τὸν λόγον, ταχέως ἀπεκρίσθημι τῶν κατὰ τὴν ἰδίαν ἀπειθεῖ παρεβλήσαντο οὐδαμῶς τούτων εἶπον, ἀπεκρίθη τῶν ἀποστόλων, ὅτι οὐκ εἶχαν τὸ χάρισμα κατὰ τὴν ἀγνοῶσαν πρὸς τὸ φῶς.

(b) Ἐπεὶ δὲ αὐτὸς ἡ ἀπίστου, ἢ τῶν ἀπειθεῖσιν ἐξ τῶν ἡθελῶν, ὁτιοῦνται μὲν δευτεροβιβλικῶς τὸ ἀπὸ καὶ προσβῆλαι ἀκαταίεστον, καὶ μοναστηρὶ καλλίον καὶ ἰσχυρότερον ἢ καὶ ταχὺ βασιλικῶν ἑκατομῶν τῶν ἰσχυρῶν καὶ σιγῶν προβαίοντες, καὶ ἐκείνους ἐκτιμῶντες, καὶ τοὺς ἰσχυροτάτους ἐκτιμῶντες. ἔπειτα δὲ ἀπέβησαν, αὐτῶν τε παγγίλων ὄψιν μὴ ἀποδοκίμασαν τὴν πρῆβιν ἀπαστῶν ἐτε ἄλλων ἀσπυρίων ὡς κἀμαρμῶν ἐκείνων, ἀπὸ τῆς ἀπίστου ταπεινότητος αὐτῶν τῶν εὐδαμονίων καὶ ἀμαρτῶν ἐπὶ τῶν ἀμαρτῶν τῶν ἐν τῇ Λαοικῇ θεολογῇ καλλίον.

2. In what tense, mood, and voice are the following forms and what are their chief parts: λαθῶν, εἶπε, χροῦ, φῆς, εἶπον, ἀναίς, ὑπερμύθεον, προβαίοντες, ὄψιν, ἐπίβηται.

3. Write the genitive of: αἱ, ἑρῶν, ταυρία, τίντωνται, χιλιῶν, σιγῶν, καλλίον, — χροῦ, ἄποσι δακτυλῶν, τὸ ἄπλοον, δόσις, ὄσις.

4. What is known of Lucian's life?

GRAMMAR.

1. Explain the terms *syncretis*, *crasis*, *sphaeris*, *syncope*. What is added to the end of words?

2. What were the original forms of *ἀπόειμι*, *μίλας*, *γῶλα*, *γίγας*, *ἀπῶλ*, *λίαν*, — *ἐπίβηται*, *δόσις*, *λεῖρα*, *εἶπε*, *στέφανος*, *ἄν*.

3. Write down all the cases of *χρόνος*, *μαίς*, *μαίς*, *ἐξῆς*, *νοῦς*, *οἰκίς*.

4. Give the other degrees of comparison of *μῆγας*, *πολλῶς*, *μῆγας*, *κρῶτος*, *μῆλιστα*, *ἰσθῶς*, *ἀλαθῶς*, *ἴστω*.

5. Write the Nom. and Acc. sing. and pl. of *αἰῶνας*, *θεῖος*, *ἴδι*, *αἰῶνός*, — *μῆγας*, *φῆς*, *πολλῶς*, *ἀλαθῶς*.

6. What is the difference between a root and a stem? Give two examples of each in nouns and verbs. Where do the first and second conjugations differ? What was the original difference?

7. Form the 1st Sing. Imperfect Act. of *ἐχου*, *ἔραυ*, *εἰσῆλθαι*, *εἰς*, *ἠμῶν*, *βίβλου*, *ἀναίς*, *ἐπιβῆται*, *προβαίοντες*, *πολλῶν*, *ἑσθῶν*, *οἰκῶν*.

8. Write the 3rd pl. perf. Indic. Act. of *λαμβάνω*, *οὐκ ἔλαβον*, *ἑσθῶν*, *εἰσῆλθον*, *βίβλου*, *θεῖος*, *εἰσῆλθον*, *ἄν*, *ἄν*.

9. Form the perf. Infin. passive of *πλέω*, *τρέτω*, *πίθω*, *κρίω*, *ἀγῶν*, *γῶλα*, *τρέτω*, *ιστῶν*.

10. Arrange in a tabular form the peculiar tenses in the Active voice of *δίδωμι* and *εἶδωμι*, giving only one form in each mood and tense.

ALGEBRA.

1. Reduce $\frac{1}{x^2}$ to a decimal fraction, in such a manner as to shew the reason of the common ratio for the purpose. Find also by inspection of denominators, which of the following are represented by terminate decimals and which by iterates: $\frac{1}{x^2}, \frac{1}{x^3}, \frac{1}{x^4}, \frac{1}{x^5}, \frac{1}{x^6}, \frac{1}{x^7}, \frac{1}{x^8}, \frac{1}{x^9}, \frac{1}{x^{10}}$.

2. Find, without Algebra, at what time after 12 o'clock the hour and minute hands of a watch are in the same straight line.

3. Simplify the expression,

$$5a - 7(b-c) - \{6a - (3b + 2c) + 4c - (2a - (b + 2c - a))\}.$$

4. Find the sum of $\frac{1}{1+x} - \frac{1}{1-x} + \frac{2x}{1-x^2}$; and also of

$$\left\{ \frac{a+b}{a-b} - \frac{a-b}{a+b} \right\} \left\{ \frac{1}{b} - \frac{1}{a} \right\}.$$

5. Multiply a^m by a^n ; divide the former by the latter also; and hence shew $a^m \cdot a^n = a^{m+n}$ and $\frac{a^m}{a^n} = a^{m-n}$.

6. Prove $\frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}} (5 - 2\sqrt{6}) = 1$.

7. Given a simultaneous equations of the 1st degree, independent of each other, involving n unknown quantities, $x, y, z, \&c.$; describe minutely the method of evaluating these quantities.

8. Given $x + \frac{3x-10}{5} = 4 - \frac{5x-10}{3}$, to find x ; also given

$$7x - 2y = 14 + \frac{x}{2}, \text{ and } 7y - 3z = 32 + \frac{y}{3}, \text{ to find } x \text{ and } y.$$

9. A farmer had a number of horses. Half the number and half a horse were for the farm; half the remainder and half a horse were for sale; and the remaining two were carriage horses. How many horses had he?

10. Given $\frac{x-y}{x^2-2y^2} = 1$; also $x + \sqrt{x^2+y^2} = 12 - y$; to find x and y in each case.

11. Given $x^2 + yx + y = 0$. Show that the sum of the roots $= -y$; and their product $= y$. Show also that the sum of their squares $= y^2 - 2y$.

12. Find, taking the usual notation, the sum of a terms of a Geometrical series, $r < 1$; and deduce hence the limit of an infinite decreasing series.

13. The infinite series ($r < 1$), $a + ar + ar^2 + \&c.$; the infinite series, $a - ar + ar^2 - \&c.$; $1 : 3 : 5$; prove $r = \frac{1}{3}$; and show that in the former series the first term = 4 times the sum of all that follow.

14. Prove $\frac{a+b}{2} > \sqrt{ab}$, and enunciate this conclusion with reference to Arithmetical and Geometrical series.

15. If $\frac{a}{b}, \frac{c}{d}, \frac{e}{f}, \dots, \frac{l}{m}$ be any fractions in the order of magnitude, $\frac{a}{b}$ being the greatest; prove $\frac{a+c+e+\dots+l}{b+d+f+\dots+m}$ greater than $\frac{l}{m}$ and less than $\frac{a}{b}$.

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 12, 9 A.M. TO 1 P.M.

MATHEMATICS—FIRST YEAR.

GEOMETRY.

PROFESSOR C. MACDONALD, M. A. Examiner.

1. At a given point in a given straight line, to make an angle equal to a given rectilinear angle. Do this also in the shortest practical way.

2. The complements of the parallelograms which are about the diagonals of any parallelogram, are equal to one another.

3. If the side of a parallelogram is a feet and its perpendicular breadth b feet; prove the area $= ab$ square feet. Obtain also a rule for finding the area of a triangle.

4. If a straight line be bisected and produced to any point; the rectangle contained by the whole line thus produced and the part of it produced, together with the square of half the line bisected, is equal to the square of the straight line made up of the half and the part produced. (By the division of the straight line only, if you can.) Give the algebraic equation which represents this proposition.

5. The base, AB, of a triangle is bisected in D, and, C being the vertex, CD is joined: prove $AC^2 + CB^2 = 2AD^2 + 2DC^2$.

6. If one circle cut another, they cannot have the same centre.

7. In equal circles, equal chords cut off equal areas.

8. If a straight line touch a circle, and from the point of contact a straight line be drawn cutting the circle; the angles between the tangent and the secant shall be equal to the angles in the alternate segments of the circle.

9. To inscribe a circle in a given square.

10. In proposition 10th of Book IV. of Euclid, it is shown how to make an isosceles triangle having each of the angles at the base double the third angle. Describe fully the further use of this proposition, and show how to make a regular polygon of 120 sides.

11. The straight line joining the middle points of two sides of a triangle is parallel to the third side and equal to half of it.

12. If two circles cut one another and diameters be drawn from one of the points of intersection, the straight line joining their other extremities shall pass through the other point of intersection.

13. If chords in a circle cut one another at a constant angle, the sum of the parts of the circumference intercepted by them is constant.

14. ACB is a semicircle, AB the diameter. From B draw a tangent, BX, and from A draw AC cutting the circumference in C and BX in D: prove

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

MONDAY, APRIL 23, 9 A.M., TO 1 P.M.

RHETORIC.

PROFESSOR DEMILL, M.A. *Examiner.*

1. Give a brief account of the origin and development of Rhetoric. Aristotle's definition of Rhetoric. Quintilian's classification of Styles.
2. Explain and illustrate what is meant by the "growth" of a language. Give derivation and definition of (a) Barbarism; (b) Solecism. State the chief offences against (a) Purity; (b) Precision.
3. The general law for the arrangement of words in a sentence. Cite the important limitations are to be regarded in the application of this law. Explain what is meant by Digression.
4. Distinguish between Euphony and Elegance. Show the relative importance of Harmony. Explain and illustrate the chief modes in which connectives may be varied.
5. Show the effect produced upon Emphasis by Inversion. Define and illustrate—Comparison, Metaphor, Prolepsis, Allusion. What is meant by the Illustrative Style? Define and illustrate the following:—Personification, Apostrophe, Vision, Hyperbole, Repetition, Imagery.
6. Explain the Point of View, and give an illustration from historical and dramatic works. Explain and illustrate the process of classification. Explain what is meant by matters of Fact, and matters of Opinion. Explain and illustrate Arguments from, (a) Negative Testimony; (b) Indisputed Testimony; (c) Testimony of Adversaries.
7. Enumerate the chief sources of the Beautiful. Give a short sketch of the origin and growth of Prose Satire. Define—Burlesque, Epigram, Lampoon.
8. Enumerate the great families of languages, and show to which the English belongs. Objections have been offered to the common opinion concerning the origin of the English language. Show the probable native seat of the Angles. Give the divisions of the Celtic class of Languages.
9. State the number of elementary sounds in English. Define syllables; roots; derivatives, primary and secondary. Give examples of diminutive and augmentative terms. Classify words according to their meanings. Define the following terms,—Euphonia, Pleonasm, Zeugma, Tautology.
10. There are two theories as to the origin of rhyme. Give the general law of rhyme in English Poetry. Give examples of all the Anapestic metres in English Poetry.

SESSIONAL EXAMINATIONS, 1879.

WEDNESDAY, APRIL 30, 9 A.M. TO 1 P.M.

LATIN.—SECOND YEAR.

LIVY: BOOK XXI. CHAPS. 1-30.—HORACE: ODES, BOOK III.

PROFESSOR JOHNSON, M. A. *Examiner.*

1. Translate:

a. Et civis vester Alcon, sicut ad pacem peteram ad Hannibalem venit, ita pacis conditiones ab Hannibale ad vos retulisset, supervacuum hoc mihi fuisset iter, quo nec orator Hannibalis sece transfuga ad vos venissem. Quis illo, aut vestra, aut sua culpa, manserit apud hostem, (si metum simularet, sua; vestra, si periculum est apud vos referentissimus) ego, ut ignocentia esse aliquam et salubri et pacis vobis condicione, per vetusto hospitio, quod mihi voluere est, ad vos veni. Vestra autem causa nec, nec ullius alterius, loqui, quae loqueri apud vos, vel ea scire sit, quod, neque dum vestris viribus restitisset, neque dum auxilia ab Romanis speratis, pacis unquam apud vos mentio fieri. Postquam nec ab Romanis vobis ulla spes rest, nec vestra iam aut arma vos, aut morales sauis defendunt, pacem affero ad vos magis necessariam, quam aquam: cujus ita aliqua spes est, si eam quemadmodum ad victor fecit Hannibal, sic vos ut, vixi rutilans: si non id, quod auxilium, in damno, (quoniam omnia victoriae sint) sed, quicquid reliquitur, pro manere habebit estis.

b. Quod ubi Hannibali nuntiatum est, nostram magis quam bellum metuum, orator ad regulus eorum missus, colloqui somnet ipsam velle eam his; et vel illi seipsum libere accederet, vel se Ruscinonem processurum, ad ex propinquo congressu facilius esset; nam et accepturam eos in castra sua se letant, nec cunctanter se ipsam ad eos venturam. Hospitem enim ad Galliam, non hostem adversarios: nec oriturum ante gladium, si per Gallos liceat, quam in Italiam venissem. Et per nuncios quidem haec. Ut vero reguli Gallorum, castra ad Liberrim ex tempore motis haud gravitate ad Paenum venerunt; capti donis, cum bona pace exercitum per fines suos praeter Ruscinonem oppidum transmitterunt.

c.

Me fabulose, Vulture in Apule
Natrix extra limes Apuliae
Ludo fatigatumque somno
Fronde nova puera salubres

Texere: mirum quod fore omnibus
Quisque celasse nidum Acherontiae
Saltaque Bantinos et arum
Pingue tenent humilis Forenti;

Ut rate ab aris corpore vberis
Dormitem et arsis; ad praemerit sacra
Lanisque collaque: myro
Non stae his animosus infans.

Vester, Camense, vester in arduis
Tulor Sabines, sea nulli frigidum
Pronese, sea Tibur saepinum
Sea liquidas placere Bada.

Ventris amictum fontibus et horis,
Nos me Philippis versa acies retro,
Devoa non exunxit arbor,
Nec Sicula Pallanum unda.

Utanque necum eos eritis libens
Insanientem navita Boporum
Tentabo, et virentis arenas
Laticis Assyrii visior.

Virescunt Brucianus longibus fetus
Et netum equino sanguine Concanum;
Vivosa phaeocrates Golestus,
Et Scythicum invisitans amem.

2. Translate into Latin:

Fabius the Consul pitched his camp near Castinura, which was held by a garrison of two thousand Campanians, and seven hundred of Hannibal's soldiers. Their commander was Stulius Metus, sent thither by Gn. Magnus, who was Medioterricus that year, and was aiming stress and pebulace alike, for the purpose of attacking the camp of the Romans. None of these matters escaped Fabius. Accordingly he sent word to his colleague at Nola that there was need of another army to oppose the Campanians: that he should either come himself, leaving a small garrison at Nola; or if Nola kept him from coming, he would himself summon the pre-mural T. Gracchum from Beneventum. When Marcellus received this message, leaving two thousand soldiers in garrison at Nola, he marched with the rest of his troops to Castinura, and on his arrival the Campanians, who were just taking up arms, became quiet.

3. Write the passage: *colloqui secess emissit* (l. 3.) in the form of the *oratio recta*.

4. Give all the cases in use of *jurura*, *Præmissa*, *far*, *coopers*, *proves*, *phalates*, *jece*, *Ilisri* (l. 3.)

5. What adjectives are compared by *magis* and *maxime*? Some have no positive; name them. What adjectives do not admit of comparison?

6. Write in classical Latin: On the 10th of April, A.D. 1872, about three-fourths of the students were present.

7. Give the principal parts of *tolere*, *destrux*, *lique*, *liberanti*, *missit*, *laure*, *sanctis*, *short*, *pondet*, *feld*, *vincens*, *vicinialis*.

8. What examples of Greek construction have you met in the third book of Horace's Odes? Scan the first stanza (l. 4.)

9. How may a *purpose* be expressed in Latin? When is the relative pronoun followed by the Subjunctive? The English conjunction "that" is variously translated in Latin: give a simple example of each form in Latin.

10. a. Describe the events in his life to which Horace alludes in the odes you have read, and quote the Latin as far as you can.

b. Give a short sketch of Livy's work: its contents, the materials of his command, the authorities he followed, and the remains of it that have reached us.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 5, 9 A.M. TO 1 P.M.

MATHEMATICS—SECOND YEAR.

ORIENTAL AND MEASUREMENTS.

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

1. If a straight line be drawn parallel to one of the sides of a triangle, it shall cut the other sides, or sides produced, proportionally: and conversely. (Draw only one figure).
2. To divide a straight line similarly to a divided straight line.
3. Similar triangles are to one another in the duplicate ratio of their homologous sides.
4. Trace the steps by which Euclid shows that the duplicate ratio of the preceding theorem is the same as the ratio of the squares.
5. If a perpendicular be let fall from the vertical angle of a triangle on the base, the rectangle of the two sides is equal to the rectangle of this perpendicular and the diameter of the circle circumscribing the triangle.
6. Prove shortly, by the Sixth Book of Euclid, that the rectangle of the secant and its external segment is equal to the square of the tangent, drawn from any point to the circle.
7. The lines drawn from the angles of a triangle to bisect the opposite sides, meet in a point. If A, B, C be the triangle, and this point O , prove the triangles $A, O, B, B, O, C, C, O, A$ to be equal.

8. The circular arch of a bridge was described with a radius of 32 ft., and its height is 11 ft.; find the span and the distance from the spring of the arch to the middle of the key-stone.
9. The two sides of a triangle are 10 ft. and 15 ft. and the included angle is $40^\circ 53'$ ($\cos = \frac{1}{2}$); prove that the third side is equal to 12 ft. nearly, and the area equal to 66 sq. ft.
10. A circle is described with a radius of 98 yds. Cut out of it a sector of 160° , and find the area of the remainder.
11. A cubic foot of water weighs 1000 oz. nearly, and iron is $\frac{7}{11}$ times heavier than water. Find the weight of a cylindrical pillar of iron 30 ft. long and 9 inches in diameter.
12. Draw and describe a Vertical Scale, and show how it could be used to measure off the following lengths, viz: 449, 637, 692.
13. A cone weighs 100 lbs., and is 2 ft. in height. Cut off, by a plane parallel to its base, a cone that shall be equal in height to the remaining frustum, and find the weight of this frustum.

AFTEERNOON: 3 P.M. TO 5.30 P.M.

TRIGONOMETRY AND ALGEBRA.

1. Given that the arc of a circle is 33 ft. and the radius 18 ft.; find the circular arc also the *gradual measure* of it.
2. Find all the circular fractions of angle of 90° .
3. Given the base and angle A of a right angled triangle: find the other parts, and write the logarithmic equations for the purpose.

4. Assuming the formula for $\sin(A+B)$ and $\cos(A+B)$, find $\tan(A+B)$. Find also $\sin 2A$, $\cos 2A$, $\tan 2A$.

5. Prove $\cos(20-A) = \cos(50+A) = \sin A$; also $\tan(45^\circ+A) = \frac{1+\tan A}{1-\tan A}$ and $\frac{\tan A}{1+\sec A} = \tan \frac{1}{2}A$.

6. Assuming the formula for $\cos A$ in terms of the sides of the triangle ABC , prove $\cos A = \frac{b^2+c^2-a^2}{2bc}$; show that the area = $\frac{1}{2}(b+c)(r-b)(r-c)$ and show the most important case of the latter formula.

7. From the top of a Hill, the observed angles of depression of two objects on the plane below and in the same direction, were 30° and 45° . These objects were seen to be a mile apart. Find the height of the hill.

8. Prove $\log n + \log n = \log n^2$, $\log m - \log n = \log \frac{m}{n}$ and $\log n^2 = p \log n$. What is the use of these formulae?

9. Find the present value of a sum of money if due t years hence at r per cent. If the payment be contingent on the life of a person aged n years, what is its present value?

10. Find 4 terms of the expansion $\frac{a^2}{\sqrt{a^2-x^2}}$, and show that the series is indeterminate.

11. Show that the equation $12x^3 - 47x^2 + 100x - 51x - 30 = 0$ has one positive root between 1 and 2, and one negative between 2 and 1.

EXTRA, FOR MERIT.

1. If two straight lines be cut by parallel planes, they shall be cut in the same ratio.
2. If tangents be drawn from P to a circle and Q, T be the chord of contact, any straight line from P cutting the circle and the chord is harmonically divided.
3. The lines joining the interior angles of a given regular Hexagon alternately are intersected, and form an interior regular Hexagon whose area is $\frac{1}{3}$ of the given Hexagon.
4. Prove that the combinations of n things, r together is equal to their combinations $n-r$ together, and apply this to the consideration of the coefficients of the expansion $(a+x)^n$, n being a whole number.
5. The Chamberlain of the British Exchequer wishes to convert 45,000,000 of permanent annuities into annuities terminating in 20 years. Find a formula by which the additional taxation to be imposed on the United Kingdom may be determined.
6. Assuming the Exponential Theorem, prove $x^e = 1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + 4c$. Show hence how the value of e may be calculated. Until e is known, a system of logarithms is impossible.
7. Given $\sin x = \sin(n-1)x - \sin x$; prove $x = \frac{\pi}{3(n-1)}$ or π .
8. Given $A+B+C = 90^\circ$; hence prove $\cot A + \cot B + \cot C = \cot A \cot B \cot C$.
9. If m, n, p are the distances of the centre of the inscribed circle from the angles of a triangle, prove $r = \frac{mnp}{m+n+p} \frac{1}{s}$.
10. Show by the method of Indeterminate Coefficients that the sum of n terms of the series $1.35 + 3.57 + 5.7.9 = n(2n^2 + 8n^1 + 1n + 2)$.

DALEHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

WEDNESDAY, APRIL 2, 9 AM TO 1 P.M.

LOGIC AND PSYCHOLOGY.

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

1. In what relation do Logic and Psychology stand to each other? What is Sir Wm. Hamilton's distribution of the Mental Sciences?
2. What is the usual mode of regarding mind, and what classifications of the Faculties have been adopted accordingly?
3. In what other way may mind be regarded, and what is the classification we have proposed of the mental phenomena?
4. Specify the Principles and the Laws of thought, with the "practical processes" following upon the intuitions of Causality and Uniformity.
5. State the nature of a true Generalization, and the relation of that to reasoning.
6. Distinguish between simply a mental Identification and reasoning.
7. What are the laws of Association? To what one principle or law may they be reduced? Give some account of Memory and Reminiscence.
8. What is the Ideal faculty, or Imagination?
9. What is Logic? How is it divided? Distinguish between Pure and Modified Logic—Scolasticology and Methodology.
10. What are Concepts in their quantity, quality, and relation? What is the relation of Subordination; what of Co-ordination, respectively?
11. Show how in the relation of Subordination two quantities emerge, giving two distinct processes of reasoning: Describe these two processes.
12. Is true reasoning a matter of quantity? or how may it rather be regarded?
13. Distinguish between a Judgment and a Concept,—and a Judgment and Reasoning. What is a Syllogism?
14. What affects the distinction between the Major and Minor premises of a Syllogism in other words, the Supposition and Subsumption? Show how these just change place in the Inductive and Intuitive Syllogism.
15. How are Syllogisms divided according as the connection between the premises and conclusion is determined by the fundamental laws of thought? Give the rules of the Categorical deductive Syllogism in the two quantities respectively.
16. Describe the disjunctive Syllogism in "modus tollens ponens," and "modus ponens tollens,"—the Hypothetical in "modus ponens" and "modus tollens." What is the Hypothetico-disjunctive?
17. Give some account of Syllogisms by their External, as distinguished from their Internal and essential form—particularly the Sorites.
18. What are the Moods and Figures of the Syllogism? How may the second and third Figures be regarded, and what is the maxim applicable to each?
19. Give a view of the Fallacies. What are properly extra-logical fallacies?
20. To secure what purposes of Logical perfection is a doctrine of method devised? State the rules of Definition, Division, and Protation.

SESSIONAL EXAMINATIONS, 1872.

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

CHEMISTRY.—SECOND YEAR.

PROFESSOR LAWSON.....*Examiner.*

1. Point out the special functions of Chemistry as a branch of Physical Science. What is meant by the term "chemical affinity"?
2. What is the Chemical Constitution of the Atmosphere? What is Oxygen? Give an account (1) of its discovery; (2) its mode of preparation, with equational reactions; (3) its physical properties; (4) its chemical properties; and (5) indicate briefly the general nature of the more important classes of compounds which it forms by union with other elements.
3. Explain the Laws of Combination: (1) Constancy of Composition. (2) Law of Multiple Proportions. (3) Law of Equivalents. What is meant by the terms Monogenic, and Polygenic? What is the difference between the terms Equivalent Weight and Atomic Weight? Show the way in which the saturating power of an element is usually indicated in a formula.
4. Give a general account of the Constitution of Chlorides, taking HCl as their type.
5. What are the Relations of Atomic Weights to (1) the Specific Heat of Elementary bodies, (2) to Crystalline Forms of Compounds, (3) to the Specific Gravities of Elements and Compounds.
6. Explain the law of Combination by Volume, noting exceptions.
7. How many Oxides of Nitrogen are there? Give the formulae for each, and the amounts by weight, and also by volume, of N and O which each contains. Which of these oxides are capable of uniting with the elements of water and metallic oxides to form acids? What is the formula of Nitric Acid? Describe its properties. Give formulae for three metallic Nitrates.
8. Describe Chlorine, methods of preparation with reactions, history of the element, its specific gravity and other physical characters, effects of pressure, affinities for other elements, and mode of action on colors. What is Hydrogen Chloride, and how is it prepared?
9. What are the differences in composition between Haematite Iron Ore, Cast Iron, Malleable Iron, and Steel? Give a general account of the chemical changes that take place in the blast furnace during the reduction of Iron Ores.
10. What is the Table of Classification of Organic Compounds.

SESSIONAL EXAMINATIONS, 1872

WEDNESDAY, APRIL 25, 1 A.M. TO 1 P.M.

LATIN.—THIRD YEAR.

HORACE: SATIRES, BOOK I, 3, 4, 5 & 6 2.—TERENCE: ADELPHI.

PAPPANON JOHNSON, M. A.*Economics.*

I. Translate:

- a. Non quis, Marcius, Lybionem quicquam Etruscum
Incubitis fides, tanto generosior est te.
Nec quod evas tibi materiam fuit atque paternam,
Olim qui magni legationibus imperatorum,
Ut plerique solent, tanto impendit aduocis
Ignotis, ut meo liberisno patre natum.

Cum retro rogas, quali sit quique parente
Natus, dum ingenuus, persuades hoc tibi vere,
Ante postquam Tullii aures ignobilis regnum
Mortis neque viros nullis magnosque coetus
Et vitæ præbuit, amplis et honoribus armis:
Cottus Læonium, Valerî perna, unca Superbus
Tarquinus regno pulvis fugi, amicus ante
Nec inquam probo plura lenius, memini
Julius, quo nosti, papule; qui stultus honestis
Sæpe dat indignis, et famas servitî regibus;
Qui cupit in diuitis et imaginibus. Quid oportet
Non fuisse, a vulgo longe linguæ remota?
Nanque esto: postulus Læonium malit hominem
Quam. Dico mandare neve: Censuere moveret
Appius, ingenio si nos esset patre natas,
(Vel merito, quoniam in propria re nulli quiescere),
Sed fulgentis trahit costicibus gonia curæ
Nos minus ignotis generos.

- A. Sy. Ehem Dema, had apeseran te. quid agitur?
De. Quis agitur? vestrum neque mirum satis
Nationem. Sy. Est heros meum, in diem dolo,
Absurda: pascia ceteros parva, Droso:
Congruum istam maximum in agra dote ludere
Tandem: ubi ego redire, exosculabor.
Primo inde. De. Hæcena flagitia! Sy. Mihi quidem hæc placere,
Et clama neque. Substantia in hæc, Siquis in hæc,
Fecit nunciatum pulchro. De. Di vestras fides,
Vtrum stultum id ubi hæc in laudis post:
Fove, si perdidisti quædam? et no, rubore solit.
Videte nunc cum diem illam, quom hinc opus
Profugit aliquo militatam. Sy. O Demos,
Istas est sapere, non quod ante pedes tradidit
Videte, sed etiam illa quæ futura sunt
Propiosere.

- a. De. Ego ille agrestis, æneæ, velsis, parvas, ruculentis, tunc
Dixi motum: quon ubi miseram sed? non illi,
Alia cura: hinc suum, dum crades illis et quam plurimum
Facionem, costidit in querendo nitam atque nitentiam;
Nunc exerta notate hæc fructi pro labore ab eis fieri,
Olim: ille aliter sine labore patria potuit commoda.

Illis amant, me flagitant: illi vident cordilla comia,
Ehem diligunt, apud illos sunt ambo, ego doctus sum:
Ehem ut ubi optant, noom autem mortem exponant scilicet.
Ita nos mo labore aduocis maximum hic ficit vna
Pendo scriptis: mulationem autem ego capto, hic postum gentia.
Ago, ego mulationem exarationem notam, occidit ego postum
Blandis dicitur aut lenigis fuisse, quando hinc poverat.
Ego quoque a nobis me amari et magis pendit postulo.
Si id fit dandi atque obsequio, non posteriorum fram.
Dicit: id mea tribune refert, qui cum natu maximum.

2. Translate into Latin:

Bar Arams of Sicyon is justly praised, who, when his state was ruled for fifty years by tyrants, set out from Argos for Sicyon and got possession of the city by entering it secretly. And when he had crushed the tyrant Nicetas, he restored six hundred exiles who had been the wealthiest men of that state, and by his coming freed his country. But when he perceived that money was needed to satisfy the claims of the exiles, he said that he would go to Alexandria to his friend Ptolemæus, who was the second king since the foundation of Alexandria. When he had explained to him that he wished to free his country, he easily prevailed on the wealthy king to help him with a large sum of money.

3. Explain the grammatical construction of those words which occur in the passages for translation: *Lybionem*—*generosior*—*tantis*—*non*—*ingenuus*—*probo*—*plura*—*lenius*—*quis*—*noti*—*Quid*—*agitur*—*studiosus*—*id*—*ubi*—*habet*—*mittatur*—*impere*—*posteriorum*—*id*—*non*—*mixtur*—*refert*.

4. Write short notes on the persons and circumstances alluded to in the following passages:

- a. Non quis, Marcius, Lybionem quicquam Etruscum
Incubitis fides, tanto generosior est te.
b. Quam Dico mandare neve: Censuere moveret
Appius.—
c. Mala Cæcilius ad hæc: domasset jamme catenam
Ex voto Laribus, quærebatur.
d. Obstantis Marci, qui se
Vultum ferre negat Scriveram posse miserâ.

5. Account for these forms: *Exopto*, *vix*, *furo*, *præterea*, *scito*, *fructi*, *frugi* (*scilicet*), *habet*, *otio*, *ipsum*, *arvum*, *cooperat*.
6. What is the derivation of *hic*, *certamen*, *epi*, *arvum*, *emissator*, *clama*, *vlla*, *quærent*, *illam*, *clavens*. Give other derivations similar to each of these.
7. State the reasons for supposing that the ordinary speech of Romans differed considerably from Latin as written, and show what bearing this question has on the version of the Terentian notes.
8. Write a short account of stage representations at Rome: their introduction; their classification; their authors; the place of performance and the plays that have reached us.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

THURSDAY, APRIL 11.—9 A.M. TO 1 P.M.

GREEK.—THIRD YEAR.

EURIPIDES.—MEDEA.

PROFESSOR JOHNSON, M.A. _____ Examinor

1. Translate:

(a) TP. Εἴθ' ὀσάθ' Ἀργείε μὲ διακρίσθαι σούρος

Καί γαρ ἐξ αὐτῶν κενώεις Σαυαλαργέας,
 μὲθ' ἐν νόσσοις Πελοῖω τέτινι πύρ
 τραβήεις πύσσει, γὰρ ἰσχυροῦσι χέρσιν
 ἀνδρῶν ἰσχυροῦ, οἱ τὸ πάγχρονον ἔβρος
 Πέλορ μετρίθου. οἱ γὰρ ἂν δίσπειν' ἰσθ'
 Μήστρα σφύρασι γὰρ ἴσθου' Ἰωλκίαι,
 ἰσθῆι θεοῖο ἐπιταγείν' Ἰόσσου,
 οὐδ' ἂν κενόειν πύσσειν Ἰελαδῶν σόρος
 παρτέρω παρταίει τήνδε γῆν Κορινθίαν
 ἴδν ἀνδρῶ καὶ τίσασσιν, ἀνάσσεισι μὲν
 ἀσφ' παύτασιν ἂν ἔβριον χθόνα,
 αἰσθ' τε τίσασσιν σφάβρῶσιν Ἰόσσου,
 ἔτερ μάλιστα γίνετασιν παρταίει,
 ἔτερ γὰρ πρὸς ἄδρα μὲ δισφάτασιν'

(b) MH. ἴσται τὰδ' ἄλλὰ τίσασσιν εἰ γένουσι μοι
 τούτων, ἔργα ἂν τίσασσιν πρὸς σίδν καλῶς

AI. μὲν οἱ πύσσεισθ' ἢ τί σοι τὸ δισφάτασιν;

MH. τίσασσιν Πελοῖω δ' ἔχθρῶσιν ἴσται μοι ἔβρος
 Κρόνον τε. τούτων δ' ἔβριον μὲν ἔργα
 ἔβρῶσιν οἱ μάλιστα ἂν ἐλ γέσασσιν ἰσθ',
 λόγασσιν δ' ἔβρῶσιν οἱ θεοῖο ἀνάσσεισιν
 ἔβρος ἴσται ἂν κενώεισιν κενώεισιν
 τίχ' ἂν πύσσειν τίχ' μὲν γὰρ ἔβρῶσιν,
 τίσασσιν δ' ἔβρος ἴσται καὶ ἔβρος τρυφασσίν.

AI. πολλῶν ἔβρῶσιν, ὁ γένουσι, σφάβρῶσιν
 ἄλλ' εἰ θεοῖο σοι ἔβρῶσιν τίχ' οἱ ἀνάσσεισιν.
 ἴσται τε γὰρ τὰδ' ἴσται ἀνάσσεισιν,
 σφάβρῶσιν τὰδ' ἔχθρῶσιν σφάβρῶσιν ἔβρῶσιν,
 τί σοι τ' ἔβρῶσιν μάλιστα ἔβρῶσιν θεοῖο.

(7) ΑΓ. κατὶ δ' ἄλλων θυρηφύλαξ ἀγασθεὶς
 ἴδων τροπαίδια θέμα προσέειπε νεκρῶν
 ἔμαθε δ' εὖθευ, καὶ παρτιτύχας δίνας
 αἰετὶ προσεΐδον τρεῖσθε. Ἐδίσταρε μοι,
 τίς σ' ἄθ' ἄτρεως θανάτῳ ἀπέδειξε:
 εἴς τιν' ἔλθοντα τίθεισθε ἰσχυρῶς αἰδῶν
 τίθεισθε; εἴ μοι, θεοθάλασσ' ἄγε, τίθεισθε.
 ἔπει δὲ ἔφησεν καὶ γῶν τροπαίαν,
 ἀφύσσον γυμνάσιον ἱστανότατον θέμα,
 προσέειπε δὲτε κατέειπε ἔπειθε
 ἡερταίον πικρῶς, ἔπει δ' ἦν ἀποδείκνυται
 ἂν πᾶς γὰρ ἔθελ' ἱστανότατον γῶν,
 ἢ δ' ἀποδείκνυται. ἂν δὲ πᾶς ἴστω ἔπει,
 σήματα γυμνάσιον ἡερταίον ἔπειθε.
 γῶν δ' ἄπειθε καὶ πᾶσι δ' ἔπειθε
 φερεται αἰετὶ γὰρ εὖθευ ἴστω ἔπειθε.
 αἰετῶν δὲ κατὰ πᾶσι καὶ γῶν κατὰ
 πᾶσι, πᾶσι δὲ κατὰ πᾶσι.

1. In the second extract a different reading is found; give it and translate the passage accordingly.

3. τίθεισθε ἔπειθε ἔπειθε ἔπειθε
 τίθεισθε ἔπειθε ἔπειθε ἔπειθε ἔπειθε

How has this passage been corrected, and why?

4. Analyse the following clauses, giving rules for construction of nouns and verbs:

(a) ἄθ' ἔπειθε ἔπειθε πᾶσι κατὰ πᾶσι
 ἔπειθε κατὰ πᾶσι κατὰ πᾶσι

(b) πᾶσι κατὰ πᾶσι κατὰ πᾶσι
 πᾶσι κατὰ πᾶσι κατὰ πᾶσι

(c) πᾶσι κατὰ πᾶσι κατὰ πᾶσι
 πᾶσι κατὰ πᾶσι κατὰ πᾶσι

5. Parse these verbal forms, and give their principal tenses: ἔπειθε, ἔπειθε.

6. What licences are allowed in iambic metre? Scan the first six lines of the play. What was the fifth foot but an iambus?

7. Explain the origin of the names *tragedy* and *comedy*. Why are different dialects used by the Attic tragedians? Write a short sketch of Euripides' life.

8. Translate into Greek:

Do not flee from poverty, but from wrong-doing.
 These men having come three days after the battle, had no share in the victory.

Would that, O basest of men, you had never made your appearance among mortals.

When the general heard the king say this, he perceived that the king was his enemy, and he went away sad. After this, he sent a person to tell the citizens that the enemy had proved victorious and were marching straight for the city, and that he himself would come as soon as possible to protect it.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

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

MATHEMATICAL PHYSICS.—THIRD YEAR.

PROFESSOR C. MACDONALD, M. A. Examiner.

1. Enunciate and prove the theorem called "The triangle of Forces."
2. The efficacy of a Force in any direction is found by multiplying the Force by the cosine of the angle it makes with the direction. Shew this.
3. Forces of 10 lbs. and $5\sqrt{2}$ lbs. act at angle 45° . Prove the resultant = 7. +.
4. Shew that if three equal heavy particles be attached to a heavy triangular disc at its angles, the centre of gravity of the system coincides with the centre of gravity of the triangle.
5. Investigate the conditions necessary for the delicacy and stability of a common Balance.
6. Draw any system of Burton pulleys, and, neglecting the weight of the blocks, find its mechanical advantage.
7. Prove the formula, $v = t \cdot g^2$, from rest. If the initial velocity be v , what does the formula become, and why?
8. Assuming the usual notation for projectiles, find the time of flight and range on a horizontal plane.
9. Shew that the force which, owing to the rotation of the earth on its axis, tends to transfer matter on its surface towards the equator, is greatest at lat. 45° , and is sz at the poles and the equator.
10. Prove that equal bodies, supposed to be perfectly elastic and spherical, making direct impact, interchange velocities.
11. A parallelogram ABCD is immersed in a fluid, AB being in the surface of it. The pressure on the triangle ACD is double of that on the triangle ACB.
12. Describe Nicholson's Hydrometer, and find by k the specific gravity of a small solid that does not melt in water.
13. In the common apparatus for condensing air, shew that after n strokes of the piston, the density of the air in it is $= P \left(1 + \frac{n P}{A} \right)$, B being the internal volume of the cylinder and A that of the holder. Hence describe the air gun.
14. A weight Q resting on a horizontal table, is drawn along the table by a cord passing over a pulley at the edge of the table. If μ be the coefficient of friction, prove that the tension of the cord = $\frac{P Q}{P + Q} (1 + \mu)$.
15. A body is projected from a point in an inclined plane with a given velocity. Find the angle of projection so that the range may be the greatest possible.
16. Two circles that touch externally at P have the line of their diameters vertical. Shew that the time down any chord through P from the circumference of the one circle to that of the other is constant.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

THURSDAY, APRIL 25, 9 A. M. TO 1 P. M.

EXPERIMENTAL PHYSICS.

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

1. What is a *law of Nature*? and what advantages may be derived from an acquaintance with them?
2. How are the causes of phenomena usually suggested and indicated?
3. Describe a method by which to determine experimentally the centre of gravity of a body however irregular in shape, and however different in density the materials of which its parts are composed.
4. Outline the instrument called the *Gyroscope*; and explain the reason why, when in motion, the unsupported end of the axle does not fall.
5. Why should the pendulum of a clock describe a small arc of a circle?
6. Outline the apparatus, and describe an experiment by which the upward pressure of the atmosphere may be illustrated.
7. What effects are produced by the *Interference of waves in liquids*—in sounds?—in light?
8. Explain the cause of the *mirage*.
9. What is the *Aberration of Sphericity*? How may it be corrected?
10. What is *Diffraction*? Mention some of its effects.
11. Explain the nature of *Polarization*. In how many ways may a ray of light become polarized?
12. Outline the *Polariscope* employed in the class, and explain its several parts and their use.
13. Describe the *Solar Spectroscope* and account for *Fraunhofer's Lines*.
14. Explain the *Hydraulic* theory of heat.
15. Enumerate the sources and effects of heat.
16. What is a *Thermal unit*? What is its *mechanical equivalent*?

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

WEDNESDAY, APRIL 17, 9 A.M. TO 1 P.M.

METAPHYSICS AND ESTHETICS.

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

1. Among what people have we the earliest development of speculative thought?
2. In what point of view may speculative enquiry be regarded as a necessity of thought itself? When may it be said to transgress the boundaries of legitimate enquiry?
3. To what principle, in an attempted cosmogony, did the physical School of Ionia incline? Give the prominent names in the Ionic School?
4. What modern tendency more accords with the Ionic physical School, without, at the same time, considering upon any specific *doctrines or principles*? What prominence does this tendency assume at the present day?
5. What was the principle of the Eleatics? and how did they shift the ground of speculative thought from an Ontological to a Psychological basis? What antagonistic views arose accordingly among the Eleatics?
6. How did Scepticism take advantage of the conflicting conclusions to which these separate schools led?
7. How did Plato deal with the Ontological in speculation, and how did the Psychological and Ontological blend in his Theory of Ideas?
8. How did the Aristotelian philosophy conflict with Plato's, and prepare the way for the New Academy?
9. What extraneous elements did Neo-platonism introduce into Philosophy? Give the dates of Philo, Plotinus, and Proclus, with their respective views.
10. In what form did the Ontological element survive in the Scholastic Philosophy? How did it assume this particular form, and what were the prominent names in connection with the controversial question?
11. Show the Ontological element in modern philosophy, while yet the questions discussed are mainly psychological.
12. What is Berkeley's ideal theory? Point out its Ontological bearings.
13. What is the radical fault in Sir Wm. Hamilton's doctrine of "Immediate Perception" and what inconsistencies may be detected in his theory?
14. What is Kant's tripartite division of mind? How have the *Epochs* been classified by different writers, and what more philosophic principle of classification may be adopted?
15. Give some account of the second class of Emotions, and show the place of the *Æsthetic* among these.
16. State briefly the theories that have been held on the subject of the Beautiful and Sublime, and which theory seems most to commend itself to acceptance.
17. Classify the Arts. Specify the different kinds of Poetry and Painting according to a certain principle of arrangement or classification among these. How does Cousin arrange the Arts according to a gradation of excellence, as more or less expressive?
18. What is the *Oretic* in mind? Classify the Desires. What self-regulative principle may be recognized in these States?
19. What element is clearly distinguishable in the moral judgment apart from, and beyond, a certain regulative power in the desires themselves?
20. How may the Will be regarded? What question divides Philosophers and Theologians on the subject of the Will? Are motives to be held of the nature of Causes?

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

THURSDAY, APRIL 16, 5 A.M. TO 1 P.M.

CHEMISTRY—THIRD YEAR.

PROFESSOR LAWRENCE.....Examiner.

1. HCl is acted upon by Na. H_2O is acted upon by Na. Compare the two reactions. If the Sodium Hydroxide be heated in a tube with Na what further change takes place? From these experiments deduce the chemical constitution of Water and of Hydrochloric Acid respectively, and the atomicity of the several elements composing them.
2. Show by a constitutional formula the number of atoms of equivalency belonging to the several atoms of which Nitric Acid consists, and the number in which they are disposed of in the compound by combination with methoxide. [Any other suitable compound may be selected for illustration.]
3. Classify the more important Metals according to (1) Their Atomicity or Saturating Power; (2) Action of Nitric Acid upon them; (3) Resolvent of their Salts with Hydrogen Monosulphide, H_2S , Ammonium Sulphhydrate, $S(NH_4)_2$, and Disodium Phosphate, $PO_4 Na_2$. II. $12 O_2$.
4. What is Methane? Show from its atomic constitution whether or not it is capable of reacting directly with any Mineral Element. What is the relation of the Paraffin to Methane? Notice the more important members of the Paraffin series, and give its general formula.
5. Give the general formula and a brief account of the Olefines and Aromatic Hydrocarbons. To which series of Hydrocarbons do the Terpenes belong?
6. What is the atomic constitution of an Alcohol? Give the names and formulae of all the known members of the series containing the radicals $C_n H_{2n+1}$.
7. Explain the way in which the Organic or Carbon Acids are derived from Alcohol, and point out the relation of the Aldehydes to these two classes of bodies.
8. Give an account of the first and second members of the series of Fatty or Aliphatic Acids, $C_n H_{2n} O_2$, explaining their constitution, properties, where found or how formed and notice briefly the constitution of some of their principal salts.
9. Describe the principal constituents of Milk. Give the composition and properties of each organic constituent, and explain in detail the chemical changes which result in the spontaneous curdling of Milk.
10. Explain very fully, with illustrations, the constitution, mode of formation, &c., of an Amine, and an Amide.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 19TH.

FRENCH—THIRD YEAR.

JAMES LIEBELL, ESQ. *Examiner.*

Thémas : I. Après cette aventure peu s'en fallut qu'il m'en arrivât une autre. J'allai voir un gros chasseur qui avait la fièvre. Nôis qu'il m'entendit parler d'un chasseur, il se montra si récalcitrant contre ce spécifique, qu'il se mit à jurer. Il me dit un million d'injures, et me menaça même de me jeter par les fenêtres. Je sortis de chez lui plus vite que je n'y étais entré. Je ne voulais plus voir de malades ce jour-là, et je gagnai l'infirmerie où j'avais desordr meses-coses à Fabrice.

(From "LES BRAS" by Lesage).

- II. Extract from "Fabrice" by Scève.
 - Account for *car* (I). Mention when the infinitive is required, and state the exceptions, giving an example for each case.
 - Explain the negation as in *n'y étais entré* (I). Three conjunctions require *ne* before the following verb. One of them also takes *de* without *ne* in a certain case. Illustrate by examples.
 - Show by short examples the difference between *partir*, *venir*, *arriver* between *aller* and *partir*.
 - Mention some Prepositions which may be used both as Prepositions and as Adverbs.
 - In what mood is *serais-je* (II); why? Translate: What would you have him send.
 - Je ne vois plus voir de malades* (I). Explain the *avoir de*, and state what you know about the use of this part of speech. Write three sentences to illustrate.
 - What reason do you give for the agreement of *préférés* (II). Explain the agreement of the Past participles in the following examples, and correct those which are incorrect: Elle prenait plaisir. Nous serons loués. Quelque plaisir a-t-elle obtenu? Voir les livres que j'ai lus. Bien des personnes ont périés.
 - By what form or forms is the English passive voice expressed in French? Translate: Human life is composed of joys and sorrows. This passage is translated thus: (Two forms).
 - What verb is used in speaking of temperature. Write short examples on: *se courir*, denoting time distance and weather; also on the Ind. pres.: *en, tout qui que, quelque, quel que*.
 - Quoique* is variable and invariable; and sometimes writes in two words. Explain, and translate: Whatever may be your courage, you will not conquer the enemy. However learned you may be, you are ignorant of that. Whatever faults you may have committed, you will be pardoned.
 - Which verbs, when used negatively, reject the negation *pas*. Give an ex.
 - When do *intrinsc.* verbs in the compound tenses require the auxiliary, *avoir*, and when *être*? Name those verbs which are always conjugated with *être*.
 - Write the various forms of *adjet* (Nom. and Acc.) when used as an Interog. Pron., a relative Pron., an adjective Pron., and when preceded by a possessive. Write short exs.
- Translate into French: I. Therias and Louis XI. exiled themselves from their native country before arriving at supreme power. They both were brave in battle, and timid in private life. They gloried in the art of chicaning. They established arbitrary power. They spent their life in trouble and remorse, and terminated it in concealment, silence and public hatred.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRENCH, APRIL, 1872.

GERMAN.—THIRD YEAR.

Translate: I. "Die Sterne," by M. Claudius.

Ich scha' oft an Mitternacht,	Du bist sagst unterm Himmelszelt
Wenn ich nicht Werk g'ethan,	Mein Herz nie in der Brust:
Und Niemand mehr im Hause wack't,	" Es gibt was Bess'res in der Welt
Die Stern' an Himmel an,	Als ich ihr Scheit' und Loos.

Ich wein' nicht auf mein Lager hin
Und lege lang' mich wech,
Und such' es in des'and' Stern
Und sehn' nach demselb'.

II. "Wilhelm Tell," [I Act, 2nd scene], by Schiller, beginning with:
Sausflecher: Frau, welchen Sturm g'föhlicher Geduldes.

1. What part of speech is *es*. How do such words affect the verb? Write the Past Part., and the 1st person Sing. of the Present and Past Indic. of *auscedo*.

2. *Tu'as' Himmelszelt*. Account for the 'u. Mention similar forms. State the rule for the formation of the gender of compound Substantives.

3. What word does *was* (3rd case, I.) stand for. Of what meanings is *was* susceptible? Write two examples.

4. Mention the word which corresponds with *his* (3d verse, I.); with what words are they connected and what do they denote. Give examples.

5. Write the Genit. Sing. and the Nom. Plural of: *Nase, Gremmel, Mauch, Jante, Wissenschaft, Reichthum*, also the Nom. Sing. with the def. Art. of: *Lüde, Auerlauer, Knopfe, Nasen, Hoffmanns*.

6. *Wissend, mit, durch, wegs, für, bei*. What case do these prepos. require. Which govern two cases; show by examples when they require the one or the other case.

7. *Wohles sind Ihre Bücher. Dieses ist mein Hut. Ist das Ihre Meinung.* State the rule for the use of the Nomin. form of the words *welche, dieses, das*.

8. Account for the two Infinitives in the sentence: *Er hat nach Europa gehen wollen.*

9. Which verbs do not admit of the prefix *ge* in the past part. Name those verbs (with regular terminations) which change their root-vowel.

10. Illustrate by examples the difference between the infinitives *sein, sein, und sein*. Give the German Idioms of: *Wir are right, you are wrong*. What has become of *his*.

11. *Wenn er seine Pflicht gegen seine Lande*. Write this sentence in two other ways: (1) substituting the Subject, for the Potential mood; (2) omitting *seine*.

Translate into German: I. All the children in this house are ill. Both his sons are at a German University. Have you any relatives in this city? Yes I have some. He lives retired. There are people who will believe nothing. What are we to do? It is getting warm. The richest does not a ways live happiest.

II. Scornes being asked by one of his friends which was the way to gain a good reputation, replied: "You will gain it, if you endeavor to be what you desire to appear."

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 19TH.

GERMAN.—THIRD YEAR.

JAMES LICHTI, Esq. *Krassier.*

STAUFFACHER.

Frau, welchen Sturm gefühllicher Gedanken
Weckst du mir in der stillen Brust! Meis Innerstes
Kehrst du an's Licht des Tages mit entgegen,
Und was ich mir zu denken eill verbot,
Du sprichst's mit leichter Zunge kocklich aus.
—Hast du auch wohl bedacht, was du mir rüthst?
Die wilde Zwistracht und den Klang der Waffen
Rufe du in dieses friedgewoante Thal—
Wir wagten es, ein schwaches Volk der Hirten,
In Kampf zu gehen mit dem Herrn der Welt!
Der gute Schatz nur ist's, worauf sie waren:
Um loszulassen auf dies arme Land
Die wilden Horden ihrer Kriegesmacht,
Darin zu schalten mit des Siegers Rechten,
Und unterm Schein gerechter Züchtigung
Die alten Freiheitsbriefe zu zerfüllen.

“WILHELM TELL,” Schiller.

GERMAN.—FOURTH YEAR.

MEPHISTOPHELES.

Von Sonn' und Wolzen weiss ich nichts zu sagen,
Ich sehe nur wie sich die Mönchen plagen.
Der kleine Gott der Welt bleibe stets von gleichem Schling,
Und ist so wunderbarlich als wie am ersten Tag.
Ein wenig besser würd' er leben
Hätt'et du ihm nicht den Scheit des Himmelsichts gegeben:
Er rennt's Vornunft und bracht's allein,
Nur thörischer als jedes Thier zu sein.
Er scheint mir, mit Verlaub von Ew. Gnaden,
Wie eine der langbeinigen Cisten,
Die immer fliegt und fliegend springt
Und gleich im Gras ihr altes Lödchen singt:
Und lüg' er nur noch immer in dem Grase!
In jeden Quark begräbe er seine Nase.

“FAUST,” (Prolog im Himmel) Goethe.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1875.

WEDNESDAY, APRIL 20, P. A. M. TO 1 P. M.

FINAL EXAMINATION FOR DEGREE OF B. A.

LATIN.—TACITUS'S ANNALS, BOOK I. JUVENAL'S SATIRES, I. X.
PROFESSOR JOHNSON. M. A. Examiner.

1. Translate:

a. Verse inde ad Tiberium pressa. Et ille viris discretis, de magnitudine imperii, sua modestia. Solam divi Augusti mentem tantis rebus capuam: ea in partem convertit ab illo recentium experiendo delictis quam solyocum fortasse regardi cuncta omnia. Proinde in deitate tot illustribus viris subiecta non ad tantam deferrent: priores facillius munus vel publicae societis laboribus excenturam. Plur in oratione tali dignitatis quam fieri erat: Tiberique etiam in rebus quas non occuleret, sui naturam sive asacaculine, suspensa semper et omissis verbis, tunc vero subitum ad omnes vias pedibus abderet, in incertis et ambiguis magis implerebantur. At patres, quibus tunc metus, si intelligere viderentur, in questus, lacrimas, vota effundi: ad deum, ad effugium Augusti, ad genus ipsius rantes amleve, cum profertur liberos seorsumque jactat.

b. Iisdem ferme diebus, fidam castra Germanice legionis turbatae, quanto plures, tanto violentius, et magna spe fore ut Germanicus Caesar imperium obtineat post requirit, discepto se legionibus vi sua cuncta iactantia. Dicit apud ipsam Rheni castris erant: sui romon supedior, sub C. Silio legato: in fideiorem A. Caesaris castris. Relegimus venant rei pones Germanicam, agende Galliarum consul tum interitum. Sed quibus Nilius moderabatur, merito auligina fortiora seditionis alene speculabantur: in fideiorem castris nites in rebus proligent est, orit ab interitumis quibusque incitis et tenebris prius quoque ad vicentia legionibus: nam isten sustinis in fideiorem Ulterior habebatur per utina sui levia mentis. Igitur, subito sine Augusti, verascula multitudine, ruper sets in urbe delecta lascivine sueta, laborum intolerans, impellere veterem iudex arduo: venisse tempus, que veterem matrem misissimum, juvenes largiora stipendia, cuncti istam miscellanam exagereent, meridianque centurionum uiderentur.

c. Evectet omnes tunc optavitus ipsi
Di faciles; nocturna toga, rostrare petantur
Milia; turrens dicendi copia milia
Et sua mortifera est famula; vicia ille
Causas proli ministrandaque laetis.
Sed plures nimia congerit perennis cura
Strangula, et cuncta exoptemus patrimonica cessus
Quanto delphicis halama Britanacel major.
Temporibus dicit igitur jamque Korosis
Longinuet magros Secretae proclivis hucise

Clausi, et egregius Lateranorum obidit sedes
Tota coheret: maris venit in costacula miles.
Paxa floet portas argenti vasculis pari,
Nocte licet ingressus, gaudium contumque timoris
Et metae ad lumen trepidatis quadulis ambam:
Cantibus vacuus comit luceo viator.
Prima sine vota et cunctis nodisima tempis
Delecta, crescent ut opes, et maxima toto
Nostra sit arca furo. Sed nulla aocula libeatur
Fictitibus: tunc illa tunc, quam pocula sumes
Gemmata et laie Sotimur ardebit in auro.

2. Translate into Latin:

The youth then repaired to Aebutia his aunt, and told her the reason why he had been treated out by his mother; afterwards, on her suggestion he laid the matter before the Consul, in the absence of witnesses. The Consul dismissed him with orders to return three days afterwards, and inquired in person of Sulpicia, a lady of dignity, whether she knew any old woman named Aetudia residing on the Aventine. On her replying that she knew her to be a woman of honour and of good character, he said that he had need of her; that she might send a person to summon her. Aebutia, on receiving the message, came to Sulpicia, and presently afterwards the Consul, as if he had come in by chance, made mention of her nephew to Aebutia.

3. Write in *ornis recto* the sentences which are in *ornis obliqua* in the extracts from Tacitus.

4. Show clearly the construction of the sentence, "Tiberique etiam . . . implerebantur."

5. Account for the cases of "libet," "causa," "quante," "plures," "ipsi," "am," "esperari," "agende," "laborum," which are found in the second extract.

6. What is the derivation of *coheret*, *insuperant*, *opistae*, *Sarrum*, *collocatus*, *sympocum*, *trepidatis*, *quadulis*, *nitentis*, *aliquis*.

7. "Augustus" means several, magnificentum, legum in se trahere." Show this in detail.

8. Give a short account of Tacitus and his works.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

TUESDAY, APRIL 11TH:—9 A.M. TO 1 P.M.

B. A. EXAMINATION.

GREEK { DEMOSTHENES—PHILIPPICS I. III.
PLATO—APOLOGIA SOCRATIS.

PROFESSOR JOHNSON, M.A. Examiner.

1. Translate:

(a) 'Ἄλλ' ἢν ἄφρονες ταῦτ', ἑαίτω εἰδόμεν, ὅτι ἐχθρὸν ἄνθρωπος, καὶ τὸ καίτερον φησὶ ἀποστραφῆναι, καὶ χρόνον πάλιν ἔλθουσι, καὶ ἀπαθ' ἄνα τύπον' ἕλπεσάν τινι πρῆξεν ἑστῆ ἡμέρα, καθ' ἥναις ἐστρατοὶ καὶ τὸ λοιπὸν ἐν αἰσίοις ἔστιν ἔστι, ἀλλὰ μὴ εἶν ἰσθόμενοι ἐστὶ πολέμου αἰτίαι, ἐνθάδ' ἰσως ἀναγασσομένημεθα ταῦτον ταῦτον, ἂν ταῦτα εἰδόμεν, καὶ τὸ δῖοντα ἰσθόμενοι ἔγνωσται, καὶ λόγους μεταίνα ἀπαλλαγόμενοι· οἱ γὰρ ἄνα ταῦτ' ἔστιν οὐδ' ἀσχετοῖ, ἀλλ' ὅτι φαίλ', ἂν μὴ προείχοντο τοῖς πράγμασι τὸν οὐκ καὶ τὸ προέχοντα ταῖσι ἰσθόμεν', εἰ εἰδόμεν.

'Ἐγὼ μὲν οὖν οὐδ' ἄλλοτε τύποντι πρὸς χρόνον εἰδόμενοι λέγουσι, ὅτι ἂν μὴ καὶ σπουδαῖον ἔστιν πεποιθὸς εἶναι, καὶ τὸν τῆ, ἡ γνησιότητα, πᾶσθ' ἀπὸ δόξαι, οὐδὲν ἀσχετοῦ-λόμενοι, πεποιθόμενοι. ἔβουλόμην δ' ἂν, ὅσπερ ἐστὶ μὲν σπουδαῖον τὸ βέλτερον ἄσχετον εἶναι, οἷοντι εἰδόμενοι σπουδαῖον καὶ τὸ τὸ βέλτερον εἰσέονται· πολλὰ γὰρ ἐν φῶσι εἶναι. νῦν δ' ἐπ' ἀδελφῶσι οἱ ταῖς ἀπὸ ταῦτον ἔγνωθ' γεννησόμενοι, ἔγωγε ἐπὶ τῷ σπουδαῖον ἔστιν, ἔτι πρῆξεν, ταῦτα πεποιθὸς λέγουσι ἀσχετοῖ. καὶ γὰρ δ' ὅτι τὸ σπουδαῖον ἔστιν μὲν εἰδόμενοι.

(b) 'Ἐ μὲν οὖν ἔγνωσεν εἰρήνην ἔχον τῇ πόλει καὶ ἂν ἔστιν ἔστιν ταῦτον, ἐπ' ἐπέσθη ἔργον, φησὶ ἔγωγε ἔγωγε φησὶ δὲ, καὶ τὸν ταῦτα λέγουσι χρόνον καὶ πρῆξεν, καὶ μὴ γενναῖον εἶναι· εἰ δ' ἔγνωσεν τὸ ἔσθαι ἐν ταῖς χρονοῖς ἔχον καὶ εἰσάγειν πολλὰν παρὶ αἰσίοι, τούτοιμα μὲν τὸ τῆς εἰρήνης ἔστιν προβίβλη, τοῖς δ' ἔγνωσεν αἰτίαι τοῖς τοῖς πολέμου χρόνοι, τὶ λατὸν ἄλλο, πλὴν ἀμνησθησά; φάσκει δὲ εἰρήνην ἔχον, εἰ βούλοισθαι, ὅσπερ ἑαίτω, οὐδ' ἀσχετοῖ. εἰ δὲ τις ταῦτον εἰρήνην ἔγνωσθησά, ἔξ ἧς εἰσάγειν πάντα τὰλλα λατὸν ἔξ ἧς ἔστι, πρῶτον μὲν φαίνεται, ἔπειτα ἑαίτω παρὶ ἔστιν, οἱ γὰρ ἔστιν παρὶ ἑαίτω τῆς εἰρήνης λέγουσι· ταῦτα δ' ἔστιν, ὅτι τὸν ἀναμνησόμενοι χρόνοντι πάντα φησὶντι ἑαίτω, αἰτίαι μὲν πολέμου ἔστιν, ἐπ' ἔστιν εἰ μὴ πολέμουσθαι.

(c) 'Ἰσως ἂν οὖν εἰδόμενοι ἄσχετον εἶναι, ὅτι εἰ ἐγὼ εἶδον μὲν ταῦτα ἐπιβουλεύειν περὶ καὶ πολέμουσθαι, ἔγνωσθ' εἰ οὐ πολὺ ἀναμνησόμενοι εἰς τὸ πλῆθος τὸ ἑαίτερον ἐπιβουλεύειν τῇ πόλει. ταῦτον δὲ αἰτίαι ἔσθαι τὸν πολέμου ἀσχετοῖ πολλὰ καὶ λέγουσι, ὅτι μὲν ἔστιν τὶ καὶ ἀσχετοῖν γίνονται, ὅτι καὶ ἐπὶ τῇ γρηθ' ἐπιβουλεύειν Μίλητον ἔγνωσθαι. ἔγωγε δὲ τοῖς ἔσθαι ἐκ ταῖς

ἀσχετοῖν, φησὶ τις γεννησά, ὅτι ἔστιν γεννησά, ἀλλ' ἀσχετοῖν μὲν ταῦτον ὅτι ἂν μὲν καὶ πρῆξεν, πρῆξεν εἰ οὐ ποτε. τοῖς ἔσθαι ὅτι μὲν ἐπιβουλεύει τὸ πολέμουσθαι πρῆξεν. καὶ παρὰ τὸ γ' ἔσθαι οὐκ ἐπιβουλεύειν εἰ γὰρ ἔσθαι, ὅτι ἀσχετοῖν ἄσχετοῖ, εἰ ἐγὼ πάλιν ἐπιβουλεύειν πρῆξεν τὸ πολέμουσθαι πρῆξεν, πάλιν ἂν ἀπὸ τῆς πόλεως καὶ οἱ τὸν ἔσθαι ἀσχετοῖν οὐδὲν οἱ τὸν ἐπιβουλεύειν. καὶ μὲν μὴ ἔγνωσθ' ἔσθαι τὸν πόλεμον· οἱ γὰρ ἔσθαι ἐξ τῆς ἀσχετοῖν ἐπιβουλεύειν οὐκ ἔστιν οὐδὲν ἄλλο πλὴν οὐδὲν γεννησά σπουδαῖον καὶ ἀσχετοῖν πολλὰ ἔσθαι καὶ ταῦτον ἐπὶ τῇ πόλει γίνονται, ἀλλ' ἀσχετοῖν ἔσθαι τὸν τῷ ὅτι μαχόμενοι ἔσθαι τὸ δῖον, καὶ ἐκ μὲν ἄλλοι χρόνον ἐπιβουλεύειν, ἔσθαι ἄλλο μὴ ἔσθαι.

2. 'Ἄλλ' ἢν ἄφρονες ταῦτα, κ. τ. λ. Mention the principal clause in this sentence, and show the relations in which the dependent clauses stand to each other.

3. καὶ ἐπ' ἀδελφῶσι οἱ κ. τ. λ. Explain the construction of 'ἀδελφῶσι οἱς τοῖς', and of the infinitives in this sentence.

4. Account for the cases of τὸ ἔσθαι, ἐπιβουλεύειν, ἀμνησθησά, σπουδαῖον, χρόνοντι, αἰτίαι μὲν πολέμου ἔστιν.

5. Parse ἄφρονες, πεποιθόμενοι, καί, ἑαίτω, εἰδόμεν, ἔσθαι, ἀπὸ δόξαι, μαχόμενοι.

6. εἰ μὴ (ὄλεστος) τῆν εἰρήνην ἔσθαι. What is the date of this event? Relate the manner in which the peace was made. How was it broken by Philip, according to Demosthenes?

7. ὅσπερ . . . τὸν ἐπιβουλεύειν τὸν εἰς Πόλιν, ἔσθαι ἂν ἔσθαι. Narrate the circumstances alluded to.

8. Τροισαρχίαι, ἀμνησθαι, ἀσχετοῖν, ἐπιβουλεύειν, ἐπιβουλεύειν. Write short explanatory notes on these.

9. Relate the chief events in Demosthenes' life after the delivery of the Third Philippic.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

THURSDAY, APRIL 25, 9 A. M.

ETHICS AND POLITICAL ECONOMY.

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

1. Can the phenomena of Will be explained on strictly scientific principles? Illustrate.
2. What is meant by the power of contrary choice? Give your opinion respecting the existence of such a power. Assign reasons.
3. Illustrate the importance of studying the influence of motives.
4. Is the desire of Society an original principle in human nature. Assign reasons. Give limitations of its power.
5. Explain the nature and importance of the principle of Evolution; and the evils to which it may lead, if not properly directed and controlled.
6. Define particularly the Moral Faculty.
7. In Ethical discussions what two distinct subjects have often been confounded.
8. Explain the Utilitarian system of morals. Name the principal writers who have advocated this system.
9. Explicate the argument, from design, for the existence of Deity.
10. Point out the defect in the argument for the immortality of the soul from its immateriality.
11. Mention the principal duties that arise out of the rights of Contract.
12. Is Government merely a social compact? Assign reasons for your opinion.

1. Explain the difference between *price* and *value*.
2. What effect has the minute subdivision of labor a tendency to produce upon the intellect of the laborer?
3. What confers value on gems and precious stones?
4. If laborers in every department of industry strike for higher wages, and obtain them, what will the effect on themselves be?
5. Why can Government borrow money at a lower rate of interest than private individuals?
6. What is Communism? What would be the probable result of its adoption on productive industry.
7. What effect has peasant proprietorship a tendency to produce upon the industry and morals of a community?
8. What are the usual causes of Commercial crises? Write their history.
9. Upon what articles heavily taxed would a reduction of the duty, within certain limits, increase the revenue? Upon what articles would an increase of the duty produce the same result?
10. State the advantages and disadvantages of indirect taxation.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

SATURDAY, APRIL 20, 3 TO 6 P.M.

BOTANY AND ZOOLOGY.

PROFESSOR LAWSON.....*Examiner.*

1. Enumerate the principal modifications of Cellular and Vascular tissues observed in plants.
2. How do cells originate? Discuss theories of development.
3. Describe the whole process of Impregnation, structure of pollen grains and ovule and formation of embryo.
4. Describe briefly, in regular order, the various Organs of the Plant, Vegetative and Reproductive.
5. Give an outline of the Natural System of Classification of Plants.
6. Give, comparatively, the characters of the following Natural Orders: Ranunculaceae, Fabaceae (*Leguminosae*), Apiaceae (*Umbelliferae*), Asteraceae (*Compositae*.)
7. Indicate the general relations observable between the nature of the embryo, structure of the stem, venation of the leaves, and number of parts of the floral whorls.
8. Describe briefly the principal modifications of tissue of which animal structures are formed.
9. Give a general outline of the Classification of Animals.
10. Describe the principal modifications of Dentition in Mammalia.
11. Indicate comparatively the types of structure characteristic of Vertebrata, Articulate, Mollusca, Radiata.
12. Give an outline of the Classification of Insecta.
13. What are the essential structural differences between Mammalia, Aves, Reptilia, Batrachia, Pisces?

PRACTICAL CHEMISTRY.

1. Give an outline of the general method to be pursued in ascertaining the constituents of a salt.
2. Determine the bases (if there are any) in the bottles marked Nos. 1 to 10 inclusive.
3. Determine the Acids (free or combined) in bottles Nos. 1 to 5.

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

TUESDAY, APRIL 16, 11 A.M., TO 1 P.M.

HISTORY.

PROFESSOR DeMILL, M.A.,.....Examiner.

1. Explain the changes effected by Constantine. Enumerate the Barbarian tribes, their customs, and final settlements.
2. State the causes of the Mohammedan conquests. Give a brief sketch of the rise and decline of the Abbassids. Give an account of the rise of the Seljukian Turks.
3. Show the power of the crown under the Norman Kings of England. What important changes were effected during the reigns of Henry II, John, and Henry III. Enumerate the chief privileges acquired by the Commons before the time of the Tudors.
4. In the French Kingdom, indicate the chief events of the struggle between the Romano-Gallic, and the Germanic elements. Explain the first important moments of the Third Estate in the States General. Enumerate the changes of Government in France since 1790.
5. What were the chief events in the reign of the Emperor Louis of Bavaria. Give an account of the Swiss War of Independence. Give a brief summary of the Thirty Year's War.
6. State the chief maxims in the domestic and foreign policy of Pope Gregory I. Answer for the Insuperbence of Otho the Great in Indian affairs. Explain the policy of Pope Gregory VII, and mention the most important events in which he was concerned before and after his elevation to the Papacy.
7. What was the origin of the Crusades? Enumerate the different Crusades and state the cause, and leading characteristics of each. Give an account of the rise of the Mendicant Orders.
8. Explain the terms Allodial and Feudal. What were the ordinary titles of a Vassal? What were included under Feudal Incidents?
9. Describe generally the condition of Philosophy during the thirteenth and sixteenth centuries. What was proposed in the scheme of the Instauratio Magna.
10. Give an account of the origin of Medical Renaissance. State the chief epochs in the literary history of the leading countries of Europe, and name the principal writers in each. Give brief biographical sketches of Giotta, Brunelleschi, and Chisotti.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 27TH.

FRENCH.—FOURTH YEAR.

JAMES LERCHET, Esq. Examiner.

Traducteur : I. Extrait des "études d'Antoine" par Victor Hugo.

II. Extrait du "Bourgeois gentilhomme," (I. Acte, 1ère Scène.) par Molière.

1. Quelle différence y a-t-il entre : la maison d'où je sors et la maison où je suis ? Pourquoi ?

2. Personne et chose sont les deux genres. Expliquez quand ils s'emploient un masculin et quand un féminin.

3. Quelque soient vos vertus, quels que soient vos talents, quelque soit votre modestie, ne croyez pas dépasser l'encre. Corrigez cette phrase, et dites en quel consistent les fautes. L'usage : Whatever pains one may take to understand a foreign language, it is necessary that a competent practice accompany the rules.

4. Le verbe se met-il au sing. ou au pluriel, lorsqu'il a pour sujet un nom collectif ? Traduisez : The people are unhappy this year.

5. Qu'y a-t-il à dire relativement au Complément du verbe. Essayez qu'en doit écrire : Croyez-vous jamais : ces esprits égarés par la douleur. Saint Louis aimait le justice et à chasser les usagers du Soigneur. He likes neither conversing, nor playing, nor going to the theatre, nor taking a walk.

6. Quels la forme verbale en est-elle *partisans* *partisans*, et quand *subject* *subject* ? Les phrases suivantes sont-elles écrites correctement ou non ? Pourquoi ? Les mots *supplément* ressemblent à une personne invitée. Il se sent engagé sur cette note *supplément*. Des hommes *grandes* et *supplément*. Personne d'un caractère *gentil*, ne *grandes*, ne *supplément* jamais.

7. Comment doit-on écrire la forme verbale en est précédée d'un adjectif et comment lorsqu'elle en est suivie. Traduisez : An always *adjective* *adjective*.

8. Expliquez l'accord des participes dans les phrases suivantes : Ce *adjective* *adjective* qu'il vous a *adjective* *adjective* jamais *adjective* de *adjective* *adjective* *adjective* ? Je fis *adjective* *adjective* de *adjective* qu'il avait *adjective* *adjective* sans *adjective* *adjective*. Traduisez : The few ships which *adjective* *adjective* had *adjective* *adjective* to her (latter : *adjective*) in the port, have been repaired.

9. Quelle différence y a-t-il entre *plus* et *deux fois* ; entre *en* . . . *plus de* et *de* . . . *plus de* ? Expliquez les usages. Doit-on dire avec Molière : Il n'y a rien qui *adjective* *adjective* que les *adjective* *adjective*.

10. Les personnes d'esprit ont-elles les sentiments de tous les sentiments. Quelle figure de Syntaxe cette phrase présente-t-elle, et en quel sens (sujet) ? Traduisez Health as well as fortune *adjective* *adjective* their *adjective* *adjective* from those who abuse them.

11. Pourquoi l'ellipse se-elle vicieuse sans la phrase suivante : Le crime n'a ni honneur et non pas l'hésitation.

Traduisez en français : The virtues of Mahomet are more assumed than *adjective* *adjective* his of his miraculous gifts, and their confidence, and credulity increase as they are further removed from the time and place of his spiritual exploits. They believe and affirm that men went forth to meet him; that he fed the hungry and the cold, and raised the dead . . . and both animate and inanimate nature were equally subject to the apostle of God.

(Mahomet's Miracles, by Gibbon.)

DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX.

SESSIONAL EXAMINATIONS, 1872.

FRIDAY, APRIL 19TH.

FRENCH.—FOURTH YEAR.

JAMES LECHE, Esq. Examineur.

Après cela, E se peut que le comte de Halobourg renâsse un
qualifié, et bien dédaigné je l'épouserai peut-être, non pas pour moi,
mais pour ceux qui m'ensourent, et dont E me sentis si digne de faire le
bonheur! Ma cousine surnost; cette chère Valérie, si aimable, si in-
telligente! Privés toutes les deux, il faudit nous séparer! Rache, je
ne la quitterai plus; je l'encourrai de tous les soins que son état réclame.
Il est si triste d'être privée de la vie!

(FROM "VALÉRIE," by Scribe.)

POUR LES PAUVRES.

Donnez! Il vient un jour où la terre noire infuse;
Vos armoies, là-haut, vous font une richesse.
Donnez! afin qu'on dise: "Il a pitié de nous!"
Afin que l'indigent que glacent les tempêtes,
Que le pauvre qui souffre à côté de vos fêtes,
Au soleil de vos palais fixe un oeil mélin jaloux.
Donnez! pour être aimés du Dieu qui se fit homme;
Pour que le méchant même en s'inclinant vous honore;
Pour que votre foyer soit calmé et fraternel.
Donnez! afin qu'un jour, à votre heure dernière,
Contre tous vos péchés, vous ayez la prière
D'un mendiant puissant au ciel!

VICTOR HUGO.

LE MAITRE DE MUSIQUE.

J'en demeure d'accord, et je les goûte comme vous. Il n'y a rien
assurément qui charme davantage que les applaudissements que vous
dites; mais cet excès ne fait pas vivre. Des louanges tropes pures ne
servent point un homme à son aise: Il y fait mieux de solide; et la
meilleure façon de louer, c'est de louer avec les mains. C'est un homme,
à la vérité, dont les hurlements sont petites, qui parle à tort et à travers de
toutes choses, et s'applaudit qu'à contre-sens; mais son argent redresse les
jugements de son esprit: il a de discernement dans sa bourse, ses louanges
sont mesurées; et ce bourgeois ignorant nous vient mieux, comme vous
voyez, que le grand vulgairisme dédaigné qui nous a introduits ici.

"LE BOURGEOIS GENTILHOMME," Molière.

DALHOUSIE COLLEGE AND UNIVERSITY,
HALIFAX.

SESSIONAL EXAMINATIONS, 1872

FRIDAY, APRIL 19th.

GERMAN—FOURTH YEAR.

Translate: I. "Wilhelmson's Absetzung" by Schiller.

In dieser patriotischen Dankelied erwannere Wilhelmstein stille, doch nicht müde, seine glänzende Sonne und des Baches aufgehenden Tag; hat Less ihn Gustav Adolph's rühmender Singelied ein Vergnügen desselben getossen. Von seinen hochgediegenen Namen ward kein rindiger ansgewen; der Umlauf des Kaiser's hatte seinen Ehrgeld vor einem halben Zügel befrist.

II. "Famst," (Prärog im Hinnel) by Goethe, beginning with:

Mathiaspöbel: Von Sonn' und Weltan weiss ich nichts zu sagen.

1. When is the Passive voice expressed by *sein*, and when by *werden*. Give *sein* verbs, governing the *Infinitiv*, be improved as an English Translation: Carlisle was destroyed by the Romans. The gates were shut before I arrived. You have been seen. The house is being built. I am allowed (I forbear).

2. With *es*, *es* *ist*, *es* *war* *ist*, etc., assume a different form in German; mention which. How are relative pronouns, preceded by prepositions, contracted. Here is the pre *with* which I once written.

3. Decline the interrog. Pron. *wer* and *wem*; and write the Ger. sing. and Plural of the relative Pron. *welcher*, *welche*, *welches*.

4. Write the three pers. sing. of the Ind. pres., the 1st pers. sing. of the Imperf. and the past participle of the verbs: *geben*, *erlangen*, *erfinden*, *überleben*.

5. Explain the terms: *separable* and *inseparable* verbs. What is the construction peculiar to each. Mention the preposes which are sometimes separable, and sometimes inseparable.

6. By what words and how is the position of the verb, and that of the subject influenced? Mention those words which do not alter the construction. Give ex. Translate: The man is lowest, therefore, he is esteemed. It was four o'clock when the sun rose. After he had stilled he took a walk.

7. Mention when the Infinitive is used with *zu*, and when without *zu*. Give ex. He began laughing. The Book is not to be had. I do not know where to go.

8. In what form do you render the English Present part. denoting: *cesses* *cessans* and *cessant*. Translate: Having no money, I cannot depart. The student being ill, he cannot attend. Having spoken so long, he was exhausted.

9. Correct the following sentence: Ich erinner mich sehr. Ein Freund von mir ist All das Jahr. Alles was ich habe gegeben. Er hat viele Geld, aber wenig Freunde. Haben Sie nicht von Tausend gebildet.

10. Translate and parse the following sentence: Allgemein war das Murren der Armee, als die Absetzung ihres Fürstern bekannt wurde.

Translate into German.—*Pythias:* How couldst thou, who hast never loved any person, expect to have friends? It is not just love and respect thou hast feared me, despised mankind, and they [both] fear and detest thee. To be loved and esteemed by men of free and generous minds, thou must be virtuous, kind, just, and know [how] to live on a sort of equality with those who share and esteem thy Friendship.