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*Toronto University*

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VICTORIA UNIVERSITY.



1889-90.



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# CALENDAR

OF

# VICTORIA UNIVERSITY,

COBBOURG, CANADA.

Incorporated by Royal Charter as "The Upper Canada Academy" in 1836.

Reorganized as a University by an Amended Charter in 1841.

Reorganized by the Consolidation of Albert and Victoria in 1884.

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SESSION 1889-90.

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TORONTO:

PRINTED AT THE METHODIST BOOK AND PUBLISHING HOUSE,

78 & 80 KING STREET EAST.

1889.

## Calendar for the Academic Year..

1889.	—	—
July 2	Tuesday . . . .	Local Matriculation Examinations at the High Schools begin.
Sept. 7	Saturday . . . .	Last day of Application for Matriculation and Supplementary Examinations. (The fee to be enclosed.)
" 24	Tuesday . . . .	Matriculation and Supplementary Matriculation Examinations begin.
" 26	Thursday . . . .	Supplementary Examinations begin.
" 30	Monday . . . . .	Students in Arts, Science and Theology enrolled, and fees paid to the Treasurer.
Oct. 1	Tuesday . . . .	Lectures in Arts, Science and Theology begin.
Dec. 20	Friday . . . . .	Lectures close for Christmas Holidays.
<b>1890.</b>		
Jan. 3	Friday . . . . .	Lectures resumed.
Mar. 1	Saturday . . . .	<i>Last day of giving notice of intention to compete for Medals, Scholarships, Prizes, etc. Non-residents must send to the Assistant Registrar, not later than this date, an exact list of subjects in which examination is desired in Arts, Law, Science, or Theology.</i>
April 4	Friday . . . . .	Lectures close.
" 8	Tuesday . . . . .	{ Examinations in Arts, Theology and Science begin. Senior Matriculation begins.
" 12	Saturday . . . .	Last day for presenting Punshon Prize Essay, and Applications for Degree of M.A.
" 21	Monday . . . . .	Examinations in Law begin.
" 23	Wednesday . . .	Conference Examinations begin.
May 11	Sunday . . . . .	Baccalaureate Sermon.
" 12	Monday . . . . .	3 p.m., Annual Lecture before the Theological Union; 7.30 p.m., Literary Association.
" 13	Tuesday . . . . .	10 a.m., Convocation of the Senate; 2 p.m., Meeting of the College Board; 3 p.m., Science Association; 7.30 p.m., Annual Meeting of the Alumni.
" 14	Wednesday . . .	3 p.m., Public Convocation.
" 15	Thursday . . . .	Last day of Application for Matriculation. (Fees to be enclosed.)

# VICTORIA UNIVERSITY.

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PROFESSORS OF THE FACULTY OF THEOLOGY.  
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Faculty of Arts and Science.

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Q.C.

## Faculty of Arts and Science.

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I. J. BIRCHARD, M.A.

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M.A., LL.B.

N. BURWASH, S.T.D.,

*Chairman.*

E. I. BADGLEY, B.D., LL.D.,

*Acting Secretary.*

## JUNIOR MATRICULATION EXAMINATION.

### Department I.—CLASSICS.

#### Sub-Dept. I.—LATIN :

1889. { Cicero, in Catilinam, I.  
Virgil, Æneid, V.  
Cæsar, B. G., I., 1-33.

1890. { Cicero, in Catilinam, II.  
Virgil, Æneid, V.  
Cæsar, Bellum Britannicum.

#### Sub-Dept. II.—GREEK :

- { Xenophon, Anabasis, II.  
Homer, Iliad, IV.

- { Xenophon, Anabasis, II.  
Homer, Iliad, VI.

Translation from English into Latin Prose (Bradley's Arnold, Ex. I.-XL., with additional exercises in re-translation).

A Paper on Latin Grammar.

### Department II.—MATHEMATICS.

#### Sub-Dept. III.—ARITHMETIC.

#### Sub-Dept. IV.—ALGEBRA : To the end of Quadratic Equations.

#### Sub-Dept. V.—GEOMETRY : Euclid, Bks. I., II., III.

### Department III.—ENGLISH.

#### Sub-Dept. VI.—CRITICAL READING : Selected Poems—

1889. Scott, Lay of the Last Minstrel.

1890. Byron, Prisoner of Chillon, and Childe Harold's Pilgrimage, from Stanza 73 of Canto II. to Stanza 51 of Canto III. inclusive.

A Paper on Grammar.

COMPOSITION.—The Examiner will allow a choice of subjects, the themes for composition being based on the following selections :—

1889. Selections from Goldsmith's Essays—Citizen of the World, Preface and Nos. 13, 14, 23, 25, 26, 30, 36, 37, 49, 50, 55, 60.

1890. Selections from Addison's Essays—Spectator, Nos. 21, 23, 26, 47, 50, 69, 93, 115, 159, 162, 169, 195, 225, 381, 387, 458, 483, 574, 583, 598.

The candidates will also be required to read critically the Prose Authors prescribed for this Examination.

### Department IV.—HISTORY AND GEOGRAPHY.

#### Sub-Dept. VII.—\*ENGLISH HISTORY : From William III. to George III. inclusive.

#### Sub-Dept. VIII.—ANCIENT HISTORY : Roman History, from the commencement of the second Punic War to the death of Augustus. Greek History, from the Persian to the Peloponnesian Wars, both inclusive.

\* This subject is to be understood as embracing Colonial History.

Sub-Dept. IX.—GEOGRAPHY: Ancient Geography—Greece, Italy, and Asia  
 Minor. Modern Geography—North America and Europe. Physical  
 Geography.

## OPTIONAL SUBJECTS.

## FRENCH.

1889. Lamartine, Christophe Colomb.  
 1890. Souvestre, Un Philosophe sous les Toits.

A Paper on Grammar.

Translation of easy passages from English into French.

## GERMAN.

1889. { Grimm, Kinder- und Haus-Märchen (Williamson & Co.'s edition).  
 { Schiller, Der Taucher.  
 1890. { Hauff, Das Kalte Herz (from Das Wirtshaus im Spessart—Pitt  
 Press Series).  
 { Schiller, Der Gang nach dem Eisenhammer. ✓

A Paper on Grammar.

Translation of easy sentences from English into German.

## HONOR EXAMINATION.

## CLASSICS.

1889. { Demosthenes, Philippics, I., II. { Horace, Odes, III.  
 { Homer, Odyssey, VI. { Livy, XXIII.  
 1890. { Demosthenes, Philippics, I., II. { Horace, Odes, I.  
 { Homer, Odyssey, VII. { Livy, XXIII.

Translation from Latin and Greek authors not specified.

Translation from English into Latin Prose.

A Paper on Greek Grammar, including the translation of easy sentences  
 based on the first thirty exercises of Arnold's Greek Prose Composi-  
 tion.

## MATHEMATICS.

PLANE TRIGONOMETRY: The Solution of Triangles.

ALGEBRA: To the end of Binomial Theorem.

EUCLID: Bks. IV., VI., and Definitions of Bk. V.

## ENGLISH.

CRITICAL READING: One of Shakespeare's Plays—

1889. As You Like It.

1890. Coriolanus.

A Paper on English Grammar and Philology.

## FRENCH.

1889. Scribe, *Le Verre d'Eau*.

1890. Scribe, Bertrand et Raton.

Translation of unspecified passages from easy French authors.

Translation from English into French.

Writing easy French from dictation.

## GERMAN.

1889. { Schiller, *Belagerung von Antwerpen* (Clarendon Press Series).  
 { Schiller, *Die Kraniche des Ibycus*.

1890. { Schiller, *Egmont's Leben und Tod* (Clarendon Press Series).  
 { Schiller, *Das Lied von der Glocke*, and *Hero und Leander*.

Translation of unspecified passages from easy German authors.

Translation of easy passages from English into German.

Writing easy German from dictation.

## HISTORY AND GEOGRAPHY.

HISTORY : English History under the Houses of Tudor and Stuart.

GEOGRAPHY : Geography of the British Empire, including the Colonies.

The subjects prescribed for Junior Matriculation will be changed to correspond with any changes made by the Education Department for Second Class Certificates.

## EXAMINATIONS.

The regular Matriculation Examination, Pass and Honor, will be held in connection with the Education Departmental Examinations for Teachers. A second Examination, Pass and Supplementary, will be held at Cobourg in September.

Candidates who fail in not more than two Sub-Departments at the first Examination may present themselves in those subjects alone at the Supplementary Examination in September. A failure to pass in any subject at this Examination will disqualify the Candidate from further examination in the said subject until the regular examination in June or July following.

Candidates for Junior Matriculation must be not less than fifteen years of age, and must give a written notice to the Registrar of their intention to write, and of the subjects upon which they propose to write, not less than four weeks before the date fixed for examination, the notice to be accompanied by the required fee.

All Matriculants may take Greek—or French and German.

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**CERTIFICATES PRO TANTO.**

The Diplomas of the Education Department of Ontario, and their equivalent non-professional Teachers' Certificates of the Second Class, and the corresponding Diplomas of Albert College and other Colleges affiliated to this University, will be accepted *pro tanto* on Junior Matriculation; but Candidates for Honors presenting such Certificates must take the Pass as well as the Honor Papers in the Departments in which they seek Honors.

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**SENIOR MATRICULATION.**

The Senior Matriculation, Pass and Honor, corresponds with the work of the Freshman Year. Candidates for the Examination must be not less than eighteen years of age. The Examination is held in April and September. All successful Candidates are entitled to Sophomore standing. The rules prescribed for Honors at this Examination are the same as for the Freshman Year.

Non-Professional Teachers' Certificates of the First Class, and the corresponding Diplomas of Albert College and other Colleges affiliated to this University, will be accepted *pro tanto* on Junior and Senior Matriculation, Pass and Honor.

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**FRESHMAN YEAR.**


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**Department I.—CLASSICS.**

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|-------|--|--------------------------------------|
| 1889. | { Demosthenes, Philippics, I., II.<br>{ Homer, Odyssey. VII. | { Horace, Odes, I.<br>{ Livy, XXIII. |
| 1890. | { Xenophon, Cyropædia, I.<br>{ Homer, Odyssey, VII.          | { Horace, Odes, I.<br>{ Livy, XXI.   |

Translation from English into Latin Prose.

Translation (with aid of dictionaries) of easy passages from Latin authors not specified.

A Paper on Latin and Greek Grammar.

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**Department II.—MATHEMATICS.**

ALGEBRA: Equations, Proportion and Progressions.

EUCLID, Bks. IV., VI., and Definitions of Bk. V.

PLANE TRIGONOMETRY: As far as Solution of Plane Triangles.

## Department III.—MODERN LANGUAGES.

## FRENCH :

1889. Scribe, *Le Verre d'Eau*.  
 1890. Scribe, Bertrand et Raton.  
 Translation of unspecified passages from easy French authors.  
 A Paper on Grammar.  
 Writing French from dictation.  
 Translation from English into French.  
 Outlines of the History of French Literature (Saintsbury's Primer).

## GERMAN :

1889. { Schiller, *Belagerung von Antwerpen* (Clarendon Press Series).  
       { Schiller, *Die Kraniche des Ibycus*.  
 1890. { Schiller, *Egmont's Leben und Tod* (Clarendon Press Series).  
       { Schiller, *Das Lied von der Glocke*, and *Hero und Leander*.  
 Translation of unspecified passages from easy German authors.  
 A Paper on Grammar  
 Writing German from dictation.  
 Translation of easy passages from English into German.  
 Outlines of the History of German Literature (Helen Conant).

## Department IV.—ENGLISH AND HISTORY.

## CRITICAL READING : One of Shakespeare's Plays—

1889. *As You Like It*.  
 1890. *Coriolanus*.

## COMPOSITION.

GRAMMAR : History and Etymology of the English Language.

## RHETORICAL FORMS.

LITERATURE : History of English Literature to end of Elizabethan Period.

*For Reference :* Earle, *The Philology of the English Tongue*.

Bain, *English Composition and Rhetoric*.

Craik, *History of Literature and Learning in England*.

## ANCIENT HISTORY : Origin of Civilization.

Greece : Persian Wars to Achæan League. Grote, Caps. XXXV., XXXVI., XXXVIII.—XLII., XLIV.—XLVI., LXVI.—LXXI., LXXVII.—LXXIX., LXXXVI.—XCI. Thirlwall, Caps. LX.—LXIII.

Rome : Mommsen, Bk. III., Caps. I.—VI., XIII., XIV.; Bk. IV., Caps. XI., XII. Merivale, *History of the Romans*, Caps. XXXI.—XXXIV., XXXVII.—XLI., LI., LXI., LXVII.

Department V.—ORIENTAL LANGUAGES.

HEBREW : Grammar to the end of Imperfect Verbs (Green).  
 Translation from Hebrew into English.  
 Selections from the Old Testament.

Department VI.—NATURAL SCIENCE.

BIOLOGY : Lectures on Morphology, Physiology, and Classification of Plants and Animals.

Pass Students of the Freshman Year must take the fixed subjects in Departments II., IV. and VI.; also the Pass work in Latin, and in any two of the following :—Greek, French, German, and Hebrew.

Honor Students must read, in addition to the above Pass work, the subjects prescribed for Honors in the Department or Departments in which they seek Honor standing.

HONOR COURSE.

Department I.—CLASSICS.

- |   |       |   |   |
|---|-------|---|---|
| X | 1889. | { Demosthenes, Philippics, III.<br>Pro Rhodiis.<br>Homer, Odyssey, III. | { Cicero, Pro Sestio, and<br>Tusculan Disputations, IV.<br>Virgil, Georgics, I. |
|   |       |   |   |

Translation from English into Latin and Greek Prose.  
 Translation from Latin and Greek authors not specified.  
 Paper on Latin and Greek Grammar and Philology.

Department II.—MATHEMATICS.

ALGEBRA.  
 PLANE TRIGONOMETRY.  
 ANALYTICAL PLANE GEOMETRY.

Department III.—MODERN LANGUAGES.

FRENCH :  
 1889. { Ponsard, Le Lion Amoureux.  
 Feuillet, Roman d'un Jeune Homme Pauvre.  
 1890. { Ponsard, L'Honneur et l'Argent.  
 Lamartine, Graziella.  
 Translation of unspecified passages from French authors.  
 Translation from English into French.

GERMAN :  
 1889. { Goethe, Knabenjahre<sup>s</sup> (Pitt Press Series).  
 Goethe, Minor Poems (Sonnenschein's Annotated German Classics).

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 XV.,  
 XXI.,  
 LX.-  
 IV.,  
 XXI.-

1890. { Chamisso, Peter Schlemihl.  
Schiller, Selected Ballads (Simonson's German Ballad Book,  
omitting "Das Lied von der Glocke" and "Der Gang  
nach dem Eisenhammer").

Translation of unspecified passages from German authors.

Translation from English into German.

#### Department IV.—ENGLISH.

CRITICAL READING: Selected Poems of Milton and Chaucer—

1889. { Milton, Paradise Lost, Bk. V., and Il Penseroso.  
Chaucer, Prologue, and the Clerkes Tale.  
1890. { Milton, Paradise Lost, Bk. XI., and Comus.  
Chaucer, Prologue, and The Chanounes Yemannes Tale.

PROSODY AND RHETORIC.

LITERATURE: History of English Literature, Chaucer to Surrey.

*For Reference:* Abbott and Seeley, English Lessons for English people.

Bain, English Composition and Rhetoric.

Craik, History of Literature and Learning in England.

Marsh, English Language and Literature, Lectures VI. to XI. inclusive.

### SOPHOMORE YEAR.

#### Department I.—CLASSICS.

LATIN:

Horace, Odes, Bk. I.; Satires, Bk. I.

Horace, Epistles, Bk. I.

A Paper on Grammar.

\*Horace, Epistles, Bk. II.

\*Horace, Satires, Bk. II.

\*Translation from authors not specified.

GREEK:

Greek Testament, Gospel according to Mark.

Thucydides, Bk. I., Caps. 1-7, 20-60, 66-88.

Prose Composition.

A Paper on Grammar.

\*Greek Testament, The Acts.

\*Thucydides, Bk. II., Caps. 47-54.

\*Translation from authors not specified.

\* Additional for Honors.



## Department II.—MATHEMATICS.

## ALGEBRA :

Indeterminate Coefficients, Binomial Theorem, and Theory of Logarithms.

## TRIGONOMETRY :

Elements of Spherical Trigonometry.

## MECHANICS :

Elementary Statics and Dynamics.

\*Determinants.

\*Analytical Geometry (continued).

\*Spherical Trigonometry.

\*Differential Calculus.

\*General Theory of Equations.

## Department III.—MODERN LANGUAGES.

## FRENCH :

A Paper on Grammar.

Translation from English into French.

Translation from authors not specified.

Reading French and writing from dictation.

Literature : Lectures.

Pailleron—Le Monde où l'on s'ennuie.

Michelet, La Prise de la Bastille.

About, La Mère de la Marquise (Hachette's edition).

\*A Paper on Grammar.

\*Translation from English into French.

\*Translation from authors not specified.

\*Scribe, Adrienne Lecouvreur.

\*Eckmann-Chatrion, La Guerre.

\*Mixer's French Poetry (selections).

## GERMAN :

A Paper on Grammar.

Translation from English into German.

Translation from authors not specified.

Reading German and writing from dictation.

Literature : Lectures.

Schiller, Wilhelm Tell.

Fouqué, Undine.

\*A Paper on Grammar.

\*Translation from English into German.

\*Translation from authors not specified.

\*Goethe, Götz von Berlichingen.

\*Lessing, Minna von Barnhelm.

## ITALIAN :

\*Grammar and Composition, Principia I. (Harper), Grandgent (Heath).

\*Reading, Selections, Principia II. (Harper).

\*Additional for Honors.

## Department IV.—ENGLISH AND HISTORY.

## LITERATURE :

History of English Literature, from end of Elizabethan Period to the present.

*For Reference:* Welsh's Development of the English Language and Literature. Earle's Philology of the English Tongue.

\*English Men of Letters : Bunyan and Scott.

\*Shakespeare, Hamlet.

## HISTORY :

Biblical Literature, Lectures.

*For Reference:* Smith's Old Testament History and New Testament History.

Molesworth's History of England.

\*Bourinot's Constitutional History of Canada.

Pass Students may substitute Bourinot for Molesworth.

## Department V.—ORIENTAL LANGUAGES.

## HEBREW :

Grammar, completed.

1 Kings I.-VIII.; Psalms I.-V.

## Department VI.—NATURAL SCIENCE.

**INORGANIC CHEMISTRY :** Lectures on Chemical Philosophy ; Stoichiometry ; Properties, preparation, and occurrence of the non-metals and their chief compounds ; Theory of Flames ; Valence of Elements ; Radicals ; Classification of elements and compounds ; Properties of Elements, a function of their atomic weights ; The constitution of matter.

\*Lectures and Laboratory Practice : The preparation of the non-metals and their chief compounds.

\*Qualitative Analysis : Lectures and Laboratory Practice.

**MINERALOGY :** Lectures on Crystallography, illustrated by a collection of over one hundred models ; Determination of all the principal forms, chief derivative forms and their combinations of the six systems ; Physical characters of minerals ; Blow-pipe Analysis (qualitative), with Laboratory Practice (six hours weekly).

## Department VII.—PHILOSOPHY, LOGIC, AND CIVIL POLITY.

## LOGIC :

Lectures : Notions, Propositions, Syllogisms.

## \*THE CARTESIAN PHILOSOPHY.

*Text-books:* Descartes, Method and Meditations.

Kuno Fischer's Descartes and His School.

Ferrier's Pre-Socratic Greek Philosophy.

Schwegler, Caps. I.-XXVI.

Bowen, Caps. I.-VI.

\* Additional for Honors.

Pass Students of the Sophomore Year must take the fixed subjects in Departments II., IV., VI. and VII.; also the Pass work in Latin, and in any two of the following:—Greek, French, German and Hebrew.

Honor Students must read, in addition to the above Pass work, the subjects prescribed for Honors in the Department or Departments in which they seek Honor standing.

Honor Students taking both Departments, III. and IV., are exempt from either Logic or Mineralogy. Honor Students in other Departments are exempt from one of the above optional languages.

## JUNIOR YEAR.

### Department I.—CLASSICS.

#### LATIN :

- Tacitus, Germania, Agricola, Annals, Bk. I.
- Prose Composition (Bradley's Arnold, XLI. to end).
- A Paper on Grammar.
- \*Livy, Preface.
- \*Plautus, Captives.
- \*Translation from authors not specified.

#### GREEK :

- Herodotus, Bk. I.
- Plato, Selections from Phaedo.
- A Paper on Grammar.
- Prose Composition.
- \*Plato, Apologia.
- \*Aristotle, Ethics, Bk. I.
- \*Translation from authors not specified.

### Department II.—MATHEMATICS.

#### MECHANICS :

- \*Differential Calculus (continued).
- \*Applications of Calculus to Geometry.
- \*Analytical Geometry of Three Dimensions.

### Department III.—MODERN LANGUAGES.

#### FRENCH :

- A Paper on Grammar.
- Translation from English into French.
- Translation from authors not specified.
- Reading French and writing from dictation.
- Literature : Classic Period (Van Laun).
- Racine, Athalie.

\* Additional for Honors.

- Hugo, Hernani.  
 Molière, Les Femmes Savantes.  
 Voltaire, Zaïre.  
 \*A Paper on Grammar (Brachet).  
 \*Translation from English into French.  
 \*Translation from authors not specified.  
 \*Corneille, Le Cid, Le Menteur.  
 \*Molière, Le Misanthrope, Le Tartufe, Les Précieuses Ridicules.  
 \*Boileau, Le Lutrin.  
 Sainte Beuve, Causeries du Lundi (Clarendon Press).

## GERMAN :

- A Paper on Grammar.  
 Translation from English into German.  
 Translation from authors not specified.  
 Reading German and writing from dictation.  
 Literature : Scherer.  
 Schiller, Maria Stuart.  
 Goethe, Hermann und Dorothea.  
 Zschokke, Der Zerbrochene Krug.  
 \*A Paper on Grammar—Historical Outlines.  
 \*Translation from English into German.  
 \*Translation from authors not specified.  
 \*Schiller, Bräut von Messina.  
 \*Goethe, Egmont (Clarendon Press), Iphigenie auf Tauris (Clarendon Press).

## ITALIAN :

- \*A Paper on Grammar.  
 \*Translation from English into Italian.  
 \*Literature : Outlines.  
 \*Goldoni, Il Buberò Benefico.  
 \*Silvio Pellico, Le Mie Prigioni.

## Department IV.—ENGLISH.

## LITERATURE :

- Spenser, The Faery Queene, Bk. I.  
 Shakespeare, King Lear, \*The Tempest.  
 \*Dryden, Annus Mirabilis.  
 Pope, Essay on Man.  
 Wordsworth, The Excursion, Bks. I. and III. ; Ode to Duty, Ode on Intimations of Immortality.  
 \*Stedman's Victorian Poets.  
 \*Studies from Modern Literature (Historians, Macaulay and Froude).  
 \*Shelley, Adonais.  
 \*Coleridge, Odes (Departing Year, France, Wordsworth).

\*Additional for Honors.

## Department V.—ORIENTAL LANGUAGES.

## HEBREW :

Jeremiah I.—XXIII.

## CHALDEE :

\*Grammar.

\*Selections from the Targums (Rigg's Chaldee Manual).

## Department VI.—NATURAL SCIENCE.

## PHYSICS :

Lectures on the elements of Mathematical Physics, Molecular Physics, Hydrostatics, Hydrodynamics, Pneumatics, the Kinetic Theory of Gases, Acoustics, Heat, Correlation and Conservation of Energy.

\*Lectures on Electricity and Magnetism, with Laboratory Practice.

## BIOLOGY :

\*Lectures on Histology and Preparation of Histological Specimens.

## BOTANY :

\*Determinative Analysis of Plants and practical work with the Microscope.

## METEOROLOGY :

\*Lectures and Practice in the use of Instruments.

## Department VII.—PHILOSOPHY, LOGIC, AND CIVIL POLITY.

## PHILOSOPHY :

Lectures.

*Text-books*: Bowne's Psychology.

The Relations between Religion and Science (Bampton Lectures, 1884).

Farrar's Witness of History to Christ.

\*Locke's Essay on Human Understanding.

\*Fraser's Selections from Berkeley.

\*Hume's Treatise on Human Nature, Bk. I.

\*Berkeley and Hume, in Blackwood's Philosophical Classics.

\*Schwegler, Caps. XXVII.—XXXVII.

\*Bowen, Caps. VII.—IX.

## CIVIL POLITY :

Walker's Political Economy.

Creasy on the English Constitution.

\*Jevons' Money and the Mechanism of Exchange.

Pass Students of the Junior Year must take the fixed subjects in Departments VI. and VII., and the Pass work in any three of the following:—Latin, Greek, French, German, English and Hebrew.

\*Additional for Honors.

Honor Students must take the fixed subjects in Departments VI. and VII., and the full work, Pass and Honor, of the Department in which they seek Honors.

Honor Students in Departments I., II., III., VI. and VII. must take, in addition, the Pass work in one language.

Honor Students in Departments IV. and V. must take, in addition, the Pass work in two languages.

### SENIOR YEAR.

#### Department I.—CLASSICS.

##### LATIN:

- Cicero de Officiis, Bk. I.
- Juvenal, Satires, 3, 10, 13, 14.
- Horace, Ars Poetica.
- A Paper on Grammar.
- Prose Composition.
- \*Pliny, Select Epistles.
- \*Cicero de Officiis, Bks. II. and III.
- \*Translation from authors not specified.

##### GREEK:

- Euripides, Medea.
- Sophocles, Antigone.
- A Paper on Grammar.
- Prose Composition.
- \*Sophocles, Ajax.
- \*Æschylus, Agamemnon.
- \*Aristophanes, Equites, Plutus.
- \*Translation from authors not specified.

#### Department II.—MATHEMATICS.

##### ASTRONOMY.

- \*INTEGRAL CALCULUS.
- \*ANALYTICAL MECHANICS.

#### Department III.—MODERN LANGUAGES.

##### FRENCH:

- A Paper on Grammar.
- Translation from English into French.
- Translation from authors not specified.
- Reading French and writing from dictation.
- Literature: Romantic Period (Van Laun).
- Exercises in Conversation.
- La Fontaine, Fables, Bks. I.-III.

\*Additional for Honors.

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n addition,

- Musset, *On ne badine pas avec L'Amour*.  
 About, *Le Roi des Montagnes*.  
 Crane, *Le Romantisme Français* (Putnam).  
 \*A Paper on Grammar.  
 \*Translation from English into French.  
 \*Translation from authors not specified.  
 \*Hugo, *Ruy Blas*, *Les Feuilles d'Automne*.  
 \*Ponsard, *Lucrèce*.  
 \*Balzac, *Eugénie Grandet*.  
 \*Chateaubriand, *Les Martyrs*.

## GERMAN:

- A Paper on Grammar.  
 Translation from English into German.  
 Translation from authors not specified.  
 Reading German and writing from dictation.  
 Literature: Scherer.  
 Exercises in Conversation.  
 Goethe, Selections from Prose Writings (Buchheim).  
 Schiller, *Wallenstein's Tod*.  
 Freytag, *Die Journalisten*.  
 \*Paper on Grammar.  
 \*Translation from English into German.  
 \*Translation from authors not specified.  
 \*Goethe, *Faust* (Part I. and Outline of Part II.).  
 \*Lessing, *Nathan der Weise*.

## ITALIAN:

- \*A Paper on Grammar.  
 \*Exercises in Composition and Conversation.  
 \*Lectures.  
 \*Metastasio, *La Clemenza di Tito*.  
 \*Dante, *Inferno*, Selections (Clarendon Press).  
 \*Tasso, *La Gerusalemme Liberata*, Canto I. (Clarendon Press).

## Department IV.—ENGLISH.

## LITERATURE:

- Shakespeare, *Macbeth*, *Love's Labor's Lost*.  
 Milton, *Comus*, \**Areopagitica*, \**Lycidas*.  
 \*Burns, Selections.  
 \*Coleridge, *The Ancient Mariner*.  
 Cowper, *The Task*, Bks. I., II. and III.  
 Tennyson, *In Memoriam*.  
 Longfellow, *Evangeline*.  
 Studies from Modern Literature (Robert Browning).

\* Additional for Honors.

## Department V.—ORIENTAL LANGUAGES.

## HEBREW :

Isaiah I.-XIV., XL.-XLII.

## CHALDEE :

\*Daniel II. and III.

## SYRIAC :

\*Grammar (Phillips).

\*Translations from the New Testament.

## Department VI.—NATURAL SCIENCE.

## GEOLOGY : †

Lectures on Lithology, illustrated by hand specimens.

Dynamic Geology and Historic Geology, with rudiments of Paleontology.

## DETERMINATIVE MINERALOGY : ‡

Determination of one hundred Minerals (Von Kobell's Tables, Brush).

\*Practical Work in Lithology, with preparation of Microscopic Sections.

\*Assaying : Lectures and Laboratory Practice.

## Department VII.—PHILOSOPHY, LOGIC, AND CIVIL POLITY.

## ETHICS AND ETHICAL SYSTEMS :

Lectures.

*Text-books* : Calderwood's Hand-book of Moral Philosophy.

Ferrier's History of Greek Philosophy.

Bowne's Philosophy of Theism.

\*Aristotle's Nicomachean Ethics, Bks. I., II., III., IV. and X.  
(Williams' Edition).

\*Green's Prolegomena to Ethics.

## CIVIL POLITY :

Holland's Elements of Jurisprudence.

\*Maine's Ancient Law.

## MENTAL PHILOSOPHY :

\*Philosophy of Kant (Critique of the Pure Reason).

\*History of Modern Philosophy (Bowen, Schwegler).

\*Seth's Scottish Philosophy.

\* Additional for Honors.

† The examination on the subject of Lithology is entirely practical, and consists in the determination and description of hand specimens of rocks occurring about Cobourg.

‡ The examination in Determinative Mineralogy consists in the determination of any four of the hundred minerals (given for practice) furnished in a sealed box. Tools required in addition to those mentioned in the course of the Junior Year : Platinum foil, test tubes, evaporating dishes, funnels, and filtering paper, one box of one hundred minerals. Special tables, furnished with dry and wet re-agents, Bunsen lamp and necessary conveniences, supplied by the Department at a fee of \$5 per term.

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Livy,  
Tacitu  
Pliny,  
Plautu  
Horace  
Juven  
Prose  
A Pap  
Transl

## GREEK :

Homer  
Herod  
Plato,  
Aristo  
Æsch  
Sopho  
Euripi  
Aristo  
Prose  
A Pap  
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## ASTRONOMY

Physic

## GEOLOGY :

Dynam

## LITHOLOGY

## PHILOSOPHY

Pass E



Pass Students of the Senior Year must take the fixed subjects in Departments II., VI. and VII., and the Pass work in any three of the following:—Latin, Greek, French, German, English and Hebrew.

THEOLOGICAL OPTIONS.—In the third and fourth years Biblical Greek or Theology may be substituted for Classical Greek, or for the corresponding equivalent language; the amount required to be equated by the Faculties concerned.

### FINAL EXAMINATIONS FOR HONORS AND MEDALS IN 1890.

#### CLASSICS.

##### LATIN :

Cicero de Officiis, Bks. I., II. and III.  
 Selections from Cicero, by Walford (Rome's Rule of her Provinces).  
 Cicero, De Natura Deorum.  
 Virgil, Æneid, Bk. XII.  
 Livy, Preface.  
 Tacitus, Germania, Agricola, Annals, Bk. I.  
 Pliny, Select Epistles.  
 Plautus, Captives.  
 Horace, Ars Poetica; Odes, Bk. III.  
 Juvenal, Satires, 3, 10, 13, 14.  
 Prose Composition.  
 A Paper on Grammar.  
 Translation from authors not specified.

##### GREEK :

Homer, Iliad, Bk. XXII.; Odyssey, Bk. VI.  
 Herodotus, Bk. I.  
 Plato, Apologia, Selections from Phædo.  
 Aristotle, Ethics, Bk. I.  
 Æschylus, Agamemnon.  
 Sophocles, Antigone, Ajax.  
 Euripides, Medea.  
 Aristophanes, Equites, Plutus.  
 Prose Composition.  
 A Paper on Grammar.  
 Translation from authors not specified.

##### ASTRONOMY :

Physical.

##### GEOLOGY :

Dynamic and Historic.

##### LITHOLOGY.

##### PHILOSOPHY :

Pass Ethics.

## MATHEMATICS.

## ASTRONOMY :

Physical and Spherical.

## DIFFERENTIAL CALCULUS.

## INTEGRAL CALCULUS.

## ANALYTICAL GEOMETRY.

## SPHERICAL TRIGONOMETRY.

## GENERAL THEORY OF EQUATIONS.

## ANALYTICAL MECHANICS.

## GEOLOGY :

Dynamic and Historic.

## LITHOLOGY.

## PHILOSOPHY :

Pass Ethics.

Also the subjoined work in any one of the following languages :—

## LATIN :

Cicero de Officiis, Bk. I.

Juvenal, Satires, 3, 10, 13, 14.

## GREEK :

Euripides, Medea.

Sophocles, Antigone.

## FRENCH :

The Pass work of the Senior Year.

## GERMAN :

The Pass work of the Senior Year.

## ENGLISH :

The Pass work of the Senior Year.

## HEBREW :

Jeremjah I.—XXIII.

## ENGLISH AND MODERN LANGUAGES.

## ENGLISH :

Spenser, The Faery Queene, Bk. I.

Shakespeare, King Lear, The Tempest.

Dryden, Annus Mirabilis.

Pope, Essay on Man.

Wordsworth, The Excursion, Bks. I. and III.; Ode to Duty, and Ode on Intimations of Immortality.

Stedman's Victorian Poets.

Shelley, Adonais.

Coleridge, Odes (Departing Year, France, Wordsworth).

Studies from Modern Literature (Historians—Macaulay and Froude).

## FRENCH :

Corneil

Racine

Molièr

Fé

Boileau

La Fontaine

Voltaire

Balzac

Hugo,

Musset

Ponsard

Sainte

Chateaubriand

Crane,

Historical

Philology

Grammar

Translation

Reading

## GERMAN :

Goethe

Schiller

Lessing

Zschokke

Translation

A Paper

Translation

Exercises

Schere

## ITALIAN :

Goldoni

Tasso,

Metastasio

Dante

Silvio

## ASTRONOMY

Physics

## GEOLOGY :

Dynamics

## LITHOLOGY

## PHILOSOPHY

Pass I

## FRENCH :

- Corneille, *Le Cid, Le Menteur*.  
 Racine, *Athalie*.  
 Molière, *Le Misanthrope, Le Tartufe, Les Précieuses Ridicules, Les Femmes Savantes*.  
 Boileau, *Le Lutrin*.  
 La Fontaine, *Fables, Bks. I.-III.*  
 Voltaire, *Zaïre*.  
 Balzac, *Eugénie Grandet*.  
 Hugo, *Les Feuilles d'Automne*.  
 Musset, *On ne badine pas avec L'Amour*.  
 Ponsard, *Lucrèce*.  
 Sainte Beuve, *Causeries du Lundi*.  
 Chateaubriand, *Les Martyrs*.  
 Crane, *Le Romanticisme Français*.  
*History of French Literature*.  
 Philology (Wall and Brachet.)  
 Grammar and Composition.  
 Translation from authors not specified.  
 Reading French and writing from dictation.

## GERMAN :

- Goethe, *Faust, Egmont, Iphigenie auf Tauris, Hermann und Dorothea*.  
 Schiller, *Die Braut von Messina, Maria Stuart*.  
 Lessing; *Nathan der Weise*.  
 Zschokke, *Der Zerbrochene Krug*.  
 Translation from authors not specified.  
 A Paper on Grammar.  
 Translation from French and English into German.  
 Exercises in Conversation.  
 Scherer, *History of German Literature*.

## ITALIAN :

- Goldoni, *Il Buberò Benefico*.  
 Tasso, *La Gerusalemme Liberata, Canto I*.  
 Metastasio, *La Clemenza di Tito*.  
 Dante, *Inferno, Selections (Clarendon Press)*.  
 Silvio Pellico, *Le Mie Prigioni*.

## ASTRONOMY :

Physical.

## GEOLOGY :

Dynamic and Historic.

## LITHOLOGY.

## PHILOSOPHY :

Pass Ethics.

## NATURAL SCIENCE.

BOTANY.

PHYSICS.

MINERALOGY.

GEOLOGY :

Dynamic and Historic.

LITHOLOGY.

DETERMINATIVE MINERALOGY.

QUALITATIVE ANALYSIS.

ASTRONOMY.

PHILOSOPHY :

Pass Ethics.

Also the subjoined work in any two of the following languages:—

LATIN :

Cicero de Officiis, Bk. I.

Juvenal, Satires, 3, 10, 13, 14.

GREEK :

Euripides, Medea.

Sophocles, Antigone.

FRENCH :

The Pass work of the Senior Year.

GERMAN :

The Pass work of the Senior Year.

ENGLISH :

The Pass work of the Senior Year.

HEBREW :

Jeremiah I.-XXIII.

## PHILOSOPHY, LOGIC, AND CIVIL POLITY.

ETHICS :

Calderwood's Hand-book of Moral Philosophy.

Ferrier's History of Greek Philosophy.

Bowne's Philosophy of Theism.

Aristotle's Nicomachean Ethics, Bks. I.-IV., and X. (Williams' edition).

Green's Prolegomena to Ethics.

CIVIL POLITY :

Holland's Elements of Jurisprudence.

Maine's Ancient Law.

PHILOSOPHY :

Philosophy of Kant (Critique of the Pure Reason).

History of Philosophy (Schwegler, Bowen).

Seth's Scottish Philosophy.

ASTRONOMY

GEOLOGY :

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LITHOLOGY.

Also

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GREEK :

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## ASTRONOMY.

## GEOLOGY:

Dynamic and Historic.

## LITHOLOGY.

Also the subjoined work in any two of the following languages:—

## LATIN:

Cicero de Officiis, Bk. I.

Juvenal, Satires, 3, 10, 13, 14.

## GREEK:

Euripides, Medea.

Sophocles, Antigone.

## FRENCH:

The Pass work of the Senior Year.

## GERMAN:

The Pass work of the Senior Year.

## ENGLISH:

The Pass work of the Senior Year.

## HEBREW:

- Jeremiah I.-XXIII.

## MEDALS.

Five Gold Medals and five Silver Medals are given at the end of the Course to the best Honor Students who reach a certain standard—a Gold Medal and a Silver Medal in each of the following Departments:—I. Classics; II. Mathematics; III. English and Modern Languages; IV. Natural Science; V. Philosophy, Logic, and Civil Polity.

The following gentlemen are donors of these Medals:—

Gold Medal, Department	I.....	G. R. Sanderson, D.D.
“	“	II..... Hon. W. E. Sanford.
“	“	III..... J. J. Maclaren, M.A., LL.D.
“	“	IV..... George A. Cox, Esq.
“	“	V..... H. Hough, M.A.
Silver Medals, Depts. I., II., III., IV., V.....		S. H. Janes, M.A.

Competitors for Honors or Medals in any Department must have passed satisfactory Examinations in the required Pass work of the first three years, and also in the Honor work of the Department chosen.

Only such Students as take the full work, Pass and Honor, of one of these five Departments throughout the entire Course are graduated as Honor Students.

## PRINCE OF WALES MEDALS.

The Medals founded by His Royal Highness the Prince of Wales are offered for general proficiency to the members of the Graduating Class each year. Each competitor must meet the requirements of an Honor Candidate in some Department, and, in addition, take the following Examinations for 1890:—

Virgil, Bk. VI.

Horace, Odes, Bk. III. ; Livy, Bk. I.

History of English Literature.

Plane Trigonometry.

Chemistry.

Calderwood's Hand-book of Moral Philosophy.

Political Economy.

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## REGULATIONS AND ANNOUNCEMENTS.

No Student is admitted to Undergraduate standing in this University without passing the Matriculation Examination; but non-matriculated Students may, as specialists, attend any course of Lectures for which, in the judgment of the Faculty, they are prepared.

Students coming from other Universities, and bringing letters of honorable dismission, are admitted *ad eundem statum* after preliminary examination. The work on which Students receive standing, together with the work done subsequently, must be fully equivalent to what is ordinarily required at this University for the degree of B.A.

*Ladies are admitted to all the privileges of the University on the same terms as gentlemen.*

In Faraday Hall, superior facilities are offered for the study of Science, and especially for instruction in Blow-pipe Analysis, Assaying, Crystallography, and Determinative Mineralogy.

## EXAMINATIONS.

All Candidates for Examination must, on or before the first day of March, make application to the Registrar of the Senate, giving a detailed statement of Examinations desired, both in Pass work and in Honor work, and enclosing the required fees.

All Candidates for Degrees must forward their application to the Registrar, accompanied with the usual fees, on or before the first day of May.

Supplemental Examinations will be allowed in the case of Students who fail in not more than one Department, or its equivalent, the Department of Classics being taken as the standard.

Students who fail in more than one Department, as defined above, must be re-examined on the whole work of the year.

The Annual Supplemental Examinations begin in the last week of September.

The fee for a Supplemental Examination on the work of a year is \$10, and on the work of a department, as defined above, \$5.

Application for Supplemental Examination must be made to the Registrar at least four weeks before the time set for the Examination; the fee in all cases to be enclosed with the application.

A Student who fails at the Supplemental Examination in September must lose the year, unless the Senate, for good and sufficient reason, shall order otherwise.

A Student who fails at the Final Examination for Degrees will not be permitted to come up for Supplemental Examination before September, when, on his passing the Examination, the Senate may confer the Degree.

### PRIZES.

THE RYERSON PRIZE, founded by J. G. Hodgins, LL.D., is awarded to the Freshman who is first in Scripture History.

THE WALLBRIDGE PRIZE, founded by A. F. Wallbridge, M.A., is awarded to the Student who obtains the highest standing in the Greek Testament. The papers are set on such books as are read by the Sophomore Class in Arts, and the Competition is open to all University Students.

THE WEBSTER AND HODGINS PRIZES, established by J. G. Hodgins, LL.D., are open for competition to all Undergraduates of Sophomore standing, and are awarded to the first and second in Rhetoric and English Literature of the first two years.

THE PUNSHON PRIZE, founded by William Kerr, M.A., LL.D., is awarded to the member of the Graduating Class who stands first in English Composition and Elocution. To the winner of this Prize is granted the distinction of Valedictorian for the year. The subject for 1890 is "The French Revolution." The following is the Committee of Examiners:—Wm. Kerr, M.A., LL.D.; Rev. James Allen, M.A.; E. C. S. Huycke, M.A., LL.B.

THE WILSON MEMORIAL PRIZE, of the value of \$18, founded by Bishop Wilson, D.D. (Reformed Episcopal Church, Dominion of Canada), is awarded to the Student who obtains the highest standing in the Pass Mathematics of the Senior Year.

THE CLARKE PRIZE, established by S. Clarke, Esq., Mayor of Cobourg, is given for special excellence in Ethics, including both Pass and Honor.

### DEGREES.

#### BACHELOR OF ARTS.

In order to proceed regularly to this Degree Candidates are required—

1. To pass the Matriculation Examination.
2. To attend the daily instructions of the Lecture Room during the whole Course, unless under special circumstances, when a dispensation for a limited time may be obtained from the Senate. In all cases, however, one year's residence, at least, is required of Candidates for B.A., either at Victoria or at some institution where similar advantages can be obtained.
3. To pursue their University studies regularly for a period of, at least, four years. An Arts Student shall not be allowed to take examinations in concomitant reading in Law, Science or Theology to a larger extent than would equal the extra work for Honors in his year in one Department.

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4. To pass satisfactory examinations in all the subjects of the prescribed Course of Study. Besides the ordinary daily, terminal and occasional Examinations conducted by the Professors, there will be a Primary Examination at the end of the Sophomore Year, and a Final at the end of the Senior Year. No Student will be admitted to the Primary Examination who has not passed all previous Examinations; and no Student will be admitted to the Examination of the Junior Year who has not passed in all the subjects of the Sophomore Year. Students who fail at the regular Examination, and again in the same subjects at the prescribed Supplementary Examinations, must attend a second course of Lectures in those subjects in which they fail.

Dispensation from residence may, in peculiar cases, include the privilege of proceeding to B.A. on three examinations—the Matriculation, the Primary and the Final—and the usual interval of two years between these Examinations may, when it is found expedient, be shortened on application to the Faculty.

The Primary Examination will embrace the subjects of the first two years, and the Final the subjects of the last two, as prescribed in the ordinary Course for B.A., by four Annual Examinations.

In no case is a Degree conferred by this University without the completion of the Course of Study prescribed.

#### MASTER OF ARTS.

Candidates for this Degree must be Bachelors of Arts of, at least, three years' standing. Their attainments and moral character must be satisfactory to the Senate of the University.

They must also make application in writing to the Registrar on or before the day specified in the Calendar.

AD EUNDEM.—Candidates for admission *ad eundem gradum* must furnish evidence of good moral character, and of graduation in Arts in an approved University.

#### MASTER OF ARTS WITH HONORS.

Candidates may proceed to the Degree of M.A. with Honors, in any one or more of the five Departments of the Arts Course in which they have not graduated with Honors, by taking the Final Examination for B.A., with Honors in such Department or Departments, without the Pass work in the additional Departments required of Candidates for B.A.

Such Candidates may present themselves for M.A. at the expiration of one year after having taken the B.A. Degree.

This Degree is also open to Graduates who have taken M.A. in Course.

## COLLEGE HOODS.\*

The following materials and colors have been prescribed by the Senate for the Hoods to be worn by the Graduates in the various Faculties:—

B.A.—Black alpaca, lined with white silk, and trimmed with ermine.

M.A.—Black corded silk, lined with purple.

B.Sc.—Navy blue silk, lined with sky blue silk; hood and band trimmed with ermine.

Ph.D.—Scarlet cloth, lined with white silk, bordered with navy blue silk and a blue cord.

LL.B.—Blue silk, lined with white silk, and trimmed with ermine.

LL.D.—Scarlet cloth, lined with white silk, trimmed with ermine and a blue cord.

M.D.—Scarlet cloth, lined with blue silk.

B.D.—Same as M.A., with the addition of ermine trimming.

D.D.—Scarlet cloth, lined with purple silk.

## DISCIPLINE.

Students connected with the College are expected to conduct themselves with propriety, and to observe all regulations imposed by the President and Faculty.

Students whose conduct or progress in study is unsatisfactory will not be allowed to remain in the University.

## RELIGIOUS SERVICES.

All Students are expected to attend Divine Service on the Lord's Day, at such churches as their parents or guardians may prefer.

They are also required to attend Divine Service daily in the College Chapel.

Religious services will also be held in the College on each Lord's Day.

## FEES AND EXPENSES.

Matriculation in any Faculty .....	\$5 00
Senior Matriculation .....	10 00
Tuition (per annum) .....	15 00
Non-residents (Annual Fee) .....	25 00
Non-residents (First Year) .....	10 00
Incidentals .....	10 00
Supplemental Examination (Annual) .....	10 00

\*For College Hoods, etc., apply to GEORGE HARCOURT & SOSS, 43 King Street East, Toronto.

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Supplemental Examination (Departmental) .....	\$5 00
Examination for M.A. with Honors .....	5 00
Annual Examination in Law .....	10 00
Certificate of Standing .....	2 00
Change of Faculty .....	4 00
Degree of B.A. ....	10 00
Degree of B.Sc. ....	10 00
Degree of M.A. ....	10 00
Degree of LL.B. ....	10 00
Degree of B.D. ....	10 00
Degree of M.D. ....	20 00
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Science Department.

COURSE OF STUDY.

MATRICULATION.

Department I.—MATHEMATICS.

- Sub-Dept. I.—ARITHMETIC.  
 Sub-Dept. II.—ALGEBRA : Through the Binomial Theorem.  
 Sub-Dept. III.—(1) GEOMETRY : Euclid, Bks. I–VI. ; (2) PLANE TRIGONOMETRY : Through the Solution of Plane Triangles.

Department II.—NATURAL SCIENCE.

- Sub-Dept. IV.—NATURAL PHILOSOPHY : Houghton, or Peck's Ganot.  
 Sub-Dept. V.—CHEMISTRY : Roscoe's Primer.

Department III.—ENGLISH.

- Sub-Dept. VI.—(1) GRAMMAR AND COMPOSITION. (2) LITERATURE : Junior Matriculation in Arts.  
 Sub-Dept. VII.—ANCIENT HISTORY : Junior Matriculation in Arts.  
 Sub-Dept. VIII.—ENGLISH HISTORY : Junior Matriculation in Arts.  
 Sub-Dept. IX.—GEOGRAPHY : Junior Matriculation in Arts.

Department IV.—MODERN LANGUAGES.

- FRENCH : (1) Grammar. (2) Translation from English into French. (3) Junior Matriculation in Arts.  
 GERMAN : (1) Grammar. (2) Translation from English into German. (3) Junior Matriculation in Arts.

MATHEMATICS  
 Algebra  
 Plane  
 Spherical

BIOLOGY :  
 Lectures  
 Anatomy  
 Lectures

HISTORY :  
 Hallam  
 Molesworth  
 Creasy

ENGLISH :  
 Freshmen

FRENCH :  
 Freshmen

GERMAN :  
 Freshmen

MATHEMATICS  
 Analytical  
 Differential

PHYSICS :  
 Lectures  
 Hydrostatics  
 Galileo  
 Newton  
 Laboratory

LOGIC :  
 Lectures  
 Text-book : T

APOLOGETICS :  
 The Reformation

CIVIL POLITICS :  
 Walker  
 Holland  
 Maine's

## FIRST YEAR.

## MATHEMATICS :

Algebra.  
Plane Trigonometry.  
Spherical Trigonometry.

## BIOLOGY :

Lectures on Morphology, Physiology, and Classification of Plants and Animals.  
Lectures and Practical Work with Microscope and Analysis of Plants.

## HISTORY :

Hallam's Middle Ages, Caps. I., II., V., VII. and IX.  
Molesworth's History of England.  
Creasy on the Rise and Progress of the English Constitution.

## ENGLISH :

Freshman Year in Arts, omitting Ancient History.

## FRENCH :

Freshman Year in Arts.

## GERMAN :

Freshman Year in Arts.

## SECOND YEAR.

## MATHEMATICS :

Analytical Geometry.  
Differential Calculus.

## PHYSICS :

Lectures on the Elements of Mathematical Physics, Molecular Physics, Hydrostatics, Hydrodynamics, Pneumatics, the Kinetic Theory of Gases, Acoustics, Heat, Electricity (Static and Dynamic), Magnetism, Correlation and Conservation of Energy.  
Laboratory Practice from four to six hours a week.

## LOGIC :

Lectures.

*Text-book:* Thomson, Outline of the Laws of Thought.

## APOLOGETICS :

The Relations between Religion and Science (Bampton Lectures, 1884).

## CIVIL POLITY :

Walker's Political Economy.  
Holland's Elements of Jurisprudence.  
Maine's Ancient Law.

**ENGLISH :**

History of English Literature.  
 Shakespeare, Hamlet.  
 Bacon, Essays (Rivington's edition, by Storr).  
 Scott, The Lay of the Last Minstrel.

**FRENCH :**

Sophomore Year in Arts.

**GERMAN :**

Sophomore Year in Arts.

**THIRD YEAR.****MATHEMATICS :**

Integral Calculus.  
 Analytical Geometry of three dimensions.

**INORGANIC CHEMISTRY :**

Lectures and Laboratory Practice in the preparation of the Non-Metals and their chief compounds.  
 Lectures and Laboratory Practice in Qualitative Analysis.

**HISTOLOGY :**

Lectures, and the Preparation of Histological Specimens of Animals and Plants, and Determinative Analysis of Plants.

**MINERALOGY :\***

Lectures on Crystallography, illustrated by a collection of over one hundred models.  
 Determination of all the principal forms, chief derivative forms, and their combinations of the six systems.  
 Lectures on physical characters of Minerals; also on Blow-pipe Analysis (qualitative) with Laboratory Practice (six hours weekly).

**GEOLOGY †**

Lectures on Lithology, illustrated by hand specimens; Dynamic Geology and Historic Geology, with rudiments of Paleontology.  
 Practical work in Lithology, with preparation of Microscopic Sections.

**ASSAYING :**

Lectures and Laboratory Practice.

\* Tools required: Blow-pipe with platinum point, and Plattner's mouthpiece, platinum wire, wireholder, hammer, and box of test minerals. Elegant and convenient tables, furnished with blow-pipe lamp and re-agents, are supplied by the Department at a fee of \$5 per term. The Examination in this subject is entirely practical, and consists in determining the system, formula, description, and derivation of any two out of the collection of one hundred crystallographic models; also a description of the physical characters, and determination of the chemical constituents of any two minerals, furnished in a sealed box by the Examiner.

† The Examination in the subject of Lithology is entirely practical, and consists in the determination and description of hand specimens of rocks occurring in the drift about Cobourg. The subject of Historic Geology includes a number of Lectures, to which the public are admitted.

**FRENCH :**

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**GERMAN :**

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**PHILOSOPHY :**

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## FRENCH:

Junior Year in Arts.

## GERMAN:

Junior Year in Arts.

## PHILOSOPHY:

Bowne's Psychology.

History of Philosophy (Schwegler, Bowen).

## FOURTH YEAR.

## ASTRONOMY:

Lectures.

## MATHEMATICS:

Surveying and Navigation.

Analytical Mechanics.

## METEOROLOGY:

Lectures and Practice in the use of Instruments.

## DETERMINATIVE MINERALOGY:\*

Lectures on Descriptive Mineralogy.

Determination of one hundred Minerals (Von Kobell's Tables—Brush).

## ENGLISH:

Senior Year in Arts.

## FRENCH:

Senior Year in Arts.

## GERMAN:

Senior Year in Arts.

## PHILOSOPHY:

Ferrier's History of Greek Philosophy.

Kant's Critique of Pure Reason.

## ETHICS AND NATURAL THEOLOGY:

Calderwood's Hand-book of Moral Philosophy.

Flint's Theism.

Bowne's Philosophy of Theism.

Green's Prolegomena to Ethics.

\*The Examination in Determinative Mineralogy consists in the determination of any four of the hundred minerals (given for practice) furnished in a sealed box by the Examiner. Tools required in addition to those mentioned in the Course for the Junior Year: Platinum foil, test tubes, evaporating dishes, funnels, and filtering paper, one box of 100 minerals. Special tables, furnished with dry and wet re-agents, Bunsen's lamp, and necessary conveniences, supplied by the Department at a fee of \$5 per term.

## REGULATIONS AND ANNOUNCEMENTS.

DEGREE OF B.Sc.—On the successful completion of the Course in Science the Degree of Bachelor in Science will be conferred by the Senate of the University.

The Regulations and Announcements concerning admission, discipline, religious services, fees and expenses for the Faculty of Arts will apply in this Department also.

Graduates and Undergraduates in Arts who proceed to the Degree of B.Sc. are charged a fee of \$4 for enrolment in the Science Department, and a fee of \$2 a paper for all papers set after enrolment. No re-examinations are required on subjects passed in the Arts Course.

Faraday Hall, a spacious and commodious building, is provided with laboratories, lecture rooms, and all necessary appliances for the use of the Science Department. The amphitheatre is constructed on an entirely new plan—furnishing two hundred sittings, each one of which commands a full view of the lecture table, which is supplied with all conveniences for chemical and physical experimentation. The auditorium has nine windows, which can be darkened at one movement by machinery in connection with the lecture table, and it is illuminated by gas jets, which are under the control of the experimenter.

The cabinets contain a fine collection of minerals, all of which are set up. The collection of specimens illustrating the subject of Lithology is unusually fine; there is a very extensive collection of Paleontological specimens, foreign as well as native, from the Silurian period to the present.

The Mineralogical Laboratory for Blow-pipe Analysis and Determinative Mineralogy contains tables of most convenient and elegant design, fully supplied with re-agents, wet and dry. The Science Department is supplied with a complete set of apparatus, of the latest construction, which was purchased from the best makers in London, Paris, Leipsic and Berlin, illustrating Electricity (static and dynamic) and Magnetism; air-pumps, piston, and Sprengel's acoustical apparatus; a four-horse power silent Otto's gas engine, with lathe and conveniences for manufacture of necessary pieces of accessory apparatus; apparatus for throwing spectra on the screen; a battery of thirty quart Grove cells, etc., etc.

Honor Students in Department VI. of the Arts Course, and those who read the Science Course, have practical work in the use of all the above apparatus.

Applicants desiring more explicit information on points that may particularly concern them are requested to communicate on the subject with DR. A. P. COLEMAN, Professor of Natural History and Geology, Faraday Hall, Victoria University, Cobourg, Ontario, Canada.



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## Faculty of Medicine.

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## Faculty of Medicine.

### EXAMINERS IN MEDICINE, TORONTO.

U. OGDEN, DEAN.

W. S. DOWNEY, M.D., Surgical Anatomy.

J. M. MacCALLUM, B.A., M.D., L.S.A., Practical Chemistry.

W. W. OGDEN, M.D., C.M., Principles and Practice of Medicine.

F. L. M. GRASSETT, M.B., C.M., F.R.C.S. Edin., Principles and Practice of Surgery.

E. J. BARRICK, M.D., M.R.C.S.E., F.O.S. Lond., etc., Midwifery and Diseases of Women and Children.

N. W. POWELL, M.D., Medical Jurisprudence.

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## L'ECOLE DE MEDECINE ET DE CHIRURGIE DE MONTREAL.

FONDEE EN 1843, ET INCORPOREE EN 1845.

*Affiliée à l'Université Victoria de Cobourg, Ont.*

### OFFICIERS.

WM. H. HINGSTON, M.D., D.C.L., L.R.C.S. EDIN., *Président.*

J. A. S. BRUNELLE, M.D., C.M., *Trésorier.*

L. D. MIGNAULT, A.B., M.D., C.M., *Secrétaire.*

### PROFESSEURS.

THS. E. D'ODET D'ORSONNENS, M.D., C.M., LL.D.,

Docteur ès Lettres, Membre Honoraire de l'Association Pharmaceutique de la Province de Québec, Membre de l'Académie des Arcades, Chevalier de l'Ordre de St. Grégoire le Grand, Professeur d'Accouchements et de Clinique d'Obstétrique. Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence, 26½ Rue Ste. Elizabeth.

WILLIAM H. HINGSTON, M.D., D.C.L., L.R.C.S. EDIN.,

Chevalier Commandeur de l'Ordre de St. Grégoire le Grand, Professeur de Clinique Chirurgicale, Membre de l'Acad. Imp. Léopold, Membre de la Société Pollichia de Bavière, Membre Honoraire de la Société Gynécologique de Boston, etc., Chirurgien Consultant à l'Hôpital des Femmes et au Dispensaire de Montréal.—Résidence, 37 Avenue Union.

L. B. DUROCHER, M.D., C.M.,

Professeur de Jurisprudence Médicale et de Botanique, Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence, 1644 Rue Ste. Catherine.

J. A. S. BRUNELLE, M.D., C.M.,

Professeur de Chirurgie, Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence, 1117 Rue St. Laurent.

L. E. DESJARDINS, A.B., M.D., C.M.,

Professeur d'Histologie et d'Ophthalmologie, Médecin du Dispensaire de Nazareth.—Résidence, 165 Rue Bleury.

L. D. MIGNAULT, A.B., M.D., C.M.,

Professeur de Physiologie et des Malades Nerveuses, Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence, 155 Rue Bleury.

HON. A. H. PAQUET, M.D.,

Sénateur, Professeur de Clinique Médicale et d'Hygiène.—Résidence, St. Cuthbert.

J. P. CHARTRAND, M.D., C.M.,

Professeur de Chimie, Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence, 1009 Rue St. Laurent.

L. A. DEMERS, M.D.,

Professeur de Pathologie Interne, Médecin Consultant des Dispensaires et de la Maternité, Ste. Pélagie.—Résidence, 749 Rue Ste. Catherine.

E. A. POITÉVIN, M.D., C.M.,

Professeur d'Anatomie Descriptive et des Malades de la Peau, Médecin Consultant des Dispensaires et de la Maternité Ste. Pélagie.—Résidence 2313 Rue Notre Dame.

J. A. LEBLANC, M.D.,

Professeur de Clinique Obstétrique, Bibliothécaire et Lecteur sur l'Obstétrique, Médecin de la Maternité de Montréal.—Résidence, 1167 Rue Mignonne.

J. J. GUÉRIN, M.D., C.M.,

Professeur de Clinique Médicale.—Résidence, 912 Dorchester.

J. A. ASSELIN, M.D.,

Professeur des Malades des Enfants.—Résidence, 242 St. Hubert.

A. J. B. ROLLAND, M.D., C.M.,

Professeur de Laryngologie et d'Otologie.—Résidence, 98 Rue St. Denis.

### LECTUREURS, DEMONSTRATEURS, etc.

J. M. BEAUSOLEIL, M.D.,

Lecteur sur la Matière Médicale.—Résidence, 66 Rue St. Denis.

JOS. LESPÉRANCE, M.D.,

Démonstrateur d'Anatomie, et d'Anatomie Pathologique.—Résidence, 1847 Rue Ste. Catherine.

C. A. DUGAS, M.D.,

Démonstrateur d'Anatomie.—Résidence, 1215 Rue Notre Dame.

PAUL ROYAL, M.D.,

Assistant Démonstrateur d'Anatomie.—Résidence, 1042 Rue St. Laurent.

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## COURSE OF STUDY.

## MATRICULATION.

English Grammar and Composition.

Literature : As in Junior Matriculation in Arts.

Arithmetic.

Algebra : Through Simple Equations.

Geometry : Euclid, Bks. I. and II.

Latin : Grammar, and any author, as in Junior Matriculation in Arts for  
that year.

An option of Greek, French, German, Natural Philosophy.

In Greek, French or German, any author as above.

## PRIMARY EXAMINATION.

Descriptive Anatomy.

Physiology.

Theoretical Chemistry.

Materia Medica.

Botany.

## FINAL EXAMINATION.

Surgical Anatomy.

Practical Chemistry.

Principles and Practice of Medicine.

Principles and Practice of Surgery.

Midwifery and Diseases of Women and Children.

Medical Jurisprudence.

## REGULATIONS AND ANNOUNCEMENTS.

## DEGREE OF M.D.

1. Candidates for this degree must pass a Matriculation Examination as follows, viz.:—Either (1) Matriculation in Arts of this University; or (2) the non-professional examination of the Education Department for second or third class teachers, with the Latin option; or (3) Matriculation in Medicine of this University, which is the same as that of the Royal College of Physicians and Surgeons, Ontario. The corresponding diplomas of the Province of Quebec are also accepted.

2. They must pass the Primary and Final Examinations prescribed by the curriculum of this University.

3. They must have spent four years in professional study before admission to Final Examination. Graduates in Arts will be admitted after three years' professional study.

4. They must furnish evidence of attendance upon Medical Lectures for three sessions of six months each at the Medical Faculty of the University of Toronto, or l'Ecole de Médecine et de Chirurgie de Montreal, or some School of standing recognized by the Senate. The Lectures required are as follows:—

Descriptive Anatomy.....	Two Courses of Six Months each.
Practical Anatomy.....	" " " " "
Physiology.....	" " " " "
Theoretical Chemistry.....	" " " " "
Materia Medica and Therapeutics..	" " " " "
Principles and Practice of Surgery..	" " " " "
Principles and Practice of Medicine	" " " " "
Midwifery and Diseases of Women and Children.....	" " " " "
Clinical Medicine.....	" " " " "
Clinical Surgery.....	" " " " "
Medical Jurisprudence.....	" " of Three " "
Practical Chemistry.....	One Course " " "
Botany.....	" " " " "
Sanitary Science.....	" " " " "
Normal Histology.....	" " " " "
Pathological Histology.....	" " " " "

They must spend six months in the office of a regularly qualified medical practitioner.

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They must attend the practice of a General Hospital for eighteen months.

They must attend six cases of Midwifery.

They must be twenty-one years of age.

Candidates may take the Matriculation Examination at Cobourg in June or in September, or at Toronto during the latter part of December.

The regular Professional Examination takes place the first week of April.

FEEES.

Matriculation .....	\$5 00
Degree of M.D., including Primary and Final Examinations...	20 00

Additional information may be obtained from Dr. U. Ogden, Dean of the Medical Faculty of Victoria University, 18 Carlton Street, Toronto; or from Dr. W. H. Hingston, President of l'Ecole de Médecine et de Chirurgie, 37 Avenue Union, Montreal.

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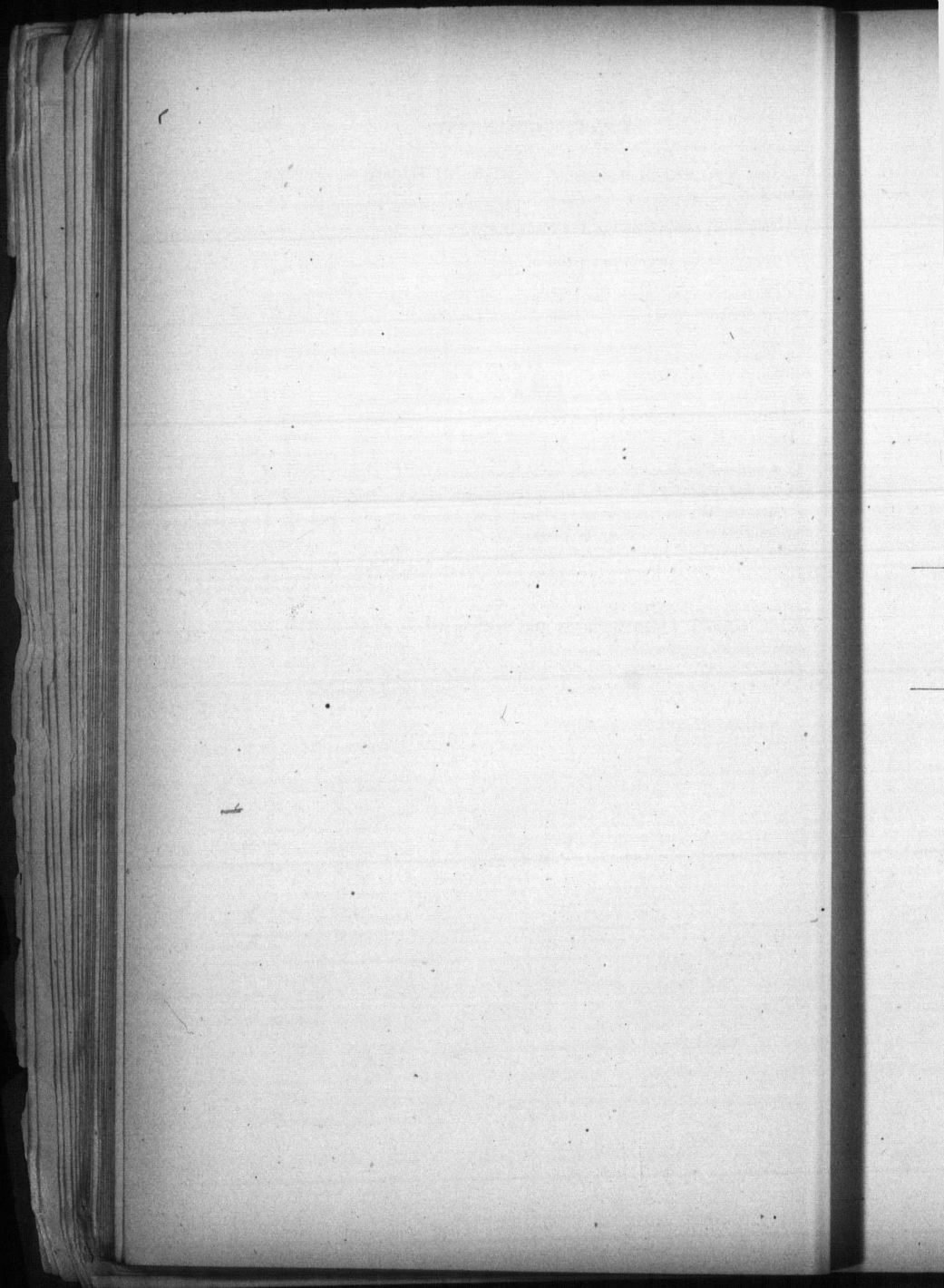
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Faculty of Law.

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## Faculty of Law.

### EXAMINERS.

WM. KERR, M.A., LL.D., Q.C., DEAN OF THE FACULTY.

BYRON M. BRITTON, M.A., Q.C.

J. J. MACLAREN, M.A., LL.D., Q.C.

JOHN H. DUMBLE, M.A., LL.B.

W. H. McCLIVE, M.A., LL.B.

A. A. STOCKTON, M.A., D.C.L., PH.D.

R. W. WILSON, M.A., LL.B.

S. F. LAZIER, M.A., LL.B.

A. PURSLOW, M.A., LL.D.

W. R. RIDDELL, M.A., LL.B.

\*Xenoph  
\*Homer, I  
Virgil, A  
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Algebra :  
Geometry  
English C  
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\*French :

1. Horac  
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4. Blacks  
5. Histor  
6. Calder  
7. Ferri  
\*8. Cornei  
\*9. Molièr  
\*10. Roche,

1. Cicero  
\*2. Aristot  
3. Walker  
\*4. Racine,  
\*5. Montes

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 COURSE OF STUDY.
 

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 MATRICULATION.
 

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- \*Xenophon, Anabasis, Bk. I., 7, 8, 9, 10.  
 \*Homer, Iliad, Bk. I.  
 Virgil, Æneid, Bk. II.; Cicero, Pro Lege Manilia.  
 Arithmetic.  
 Algebra: Todhunter.  
 Geometry: Euclid, Bks. I., II., III., IV., VI., and definitions of Bk. V.  
 English Grammar and Composition.  
 Shakespeare: The Merchant of Venice.  
 Outlines of Ancient History: Schmitz.  
 English History: Green's Short History of the English People.  
 Geography: Ancient and Modern.  
 \*French: The same as for Matriculation in Arts, including the Honor work.

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 FIRST YEAR.
 

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1. Horace, Odes, Bks. I. and II.
- \*2. Demosthenes de Corona.
3. Hallam's Middle Ages.
4. Blackstone's Commentaries, Vol. I., and Leith's Edition of Vol. II.
5. History of Philosophy (Schwegler, Bowen).
6. Calderwood's Hand-book of Moral Philosophy.
7. Ferrier's History of Greek Philosophy.
- \*8. Corneille, Cinna.
- \*9. Molière, Les Précieuses Ridicules.
- \*10. Roche, Prosateurs Français, XVIII. Century.

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 SECOND YEAR.
 

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1. Cicero de Officiis, Bk. III.
- \*2. Aristotle's Ethics, Bk. II.
3. Walker's Political Economy.
- \*4. Racine, Les Plaideurs.
- \*5. Montesquieu, L'Esprit des Loix.

\*An option is allowed between Greek and French.

6. Blackstone's Commentaries, Vol. III.
7. Thomson's Outline of the Laws of Thought.
8. Bowne's Psychology.
9. Hallam's Constitutional History of England.
10. Mill on Utilitarianism.
11. Green's Prolegomena to Ethics.

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### THIRD YEAR.

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1. Smith's Mercantile Law.
2. Broom on Common Law.
3. Williams on Law of Real Property.
4. Taylor's Equity Jurisprudence, Vol. I.
5. Justinian's Institutes (in English).
6. Statutes relating to the Constitution of Canada.
7. Bentham's Theory of Morals and Legislation (Oxford Edition, pp. 1-151).
8. Bourinot's Constitution of Canada.

#### OPTIONS.\*

1. Bryce's American Commonwealth.
2. Maine's Ancient Law, and Gibbon, Chap. XLIV.
3. Kent's International Law, or Woolsey.
4. May's Constitutional History.

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### FOURTH YEAR.

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1. Powell on Evidence.
2. Pollock on Contracts.
3. Story's Conflict of Laws.
4. Blackstone's Commentaries, Vol. IV.
5. Canadian Statutes relating to the Administration of Justice and Criminal Law.
6. Holland's Elements of Jurisprudence.

#### OPTIONS.\*

2. Amos' Science of Law.
3. Mill's Representative Government.

\* These Options may be substituted for the works with the corresponding numbers in the above list, and are designed to meet the preferences of non-professional students.

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4. Phillimo
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7. Hooper's

1. Aristotle
2. Plato's R

## REGULATIONS AND ANNOUNCEMENTS.

## DEGREE OF LL.B.

To obtain the degree of LL.B. it is necessary to pass the Examination for Matriculation and the four subsequent Annual Examinations.

A Graduate in the Faculty of Arts is exempt from subjects on which he has passed in the Arts Course.

A Graduate in Arts of three years' standing, who has also been admitted a Barrister by any Law Society of the Dominion of Canada, is admitted to the Degree of LL.B. on a Final Examination on the following works :—

1. Kent's International Law, or Woolsey.
2. Hallam's Constitutional History of England.
3. Story's Conflict of Laws.
4. Mill's Representative Government.
5. Bentham's Theory of Morals and Legislation (Oxford Ed., pp. 1-151).
6. Holland's Elements of Jurisprudence.

Any Barrister not a Graduate in Arts, may be admitted to the Degree of LL.B. on two Examinations—a Primary on the first two years, and a Final on the last two years of the Course. In this instance the Classics of the first two years will be omitted from the subjects of the Primary.

## DEGREE OF LL.D.

A Graduate in both Arts and Law of this University may take the Degree of LL.D. in Course, in ten years after receiving that of M.A. or LL.B., on complying with the following regulations :—

I. Two years before proceeding to the Degree he shall pass an Examination in the following works :—

1. Commentaries, Gaius, Bks. I., II., III., and IV.
2. Tacitus, Annals, Bk. IV.
3. Savigny's Private International Law.
4. Phillimore's International Law.
5. Austin's Jurisprudence (American Edition).
6. Ueberweg's History of Philosophy, Vols. I. and II.
7. Hooper's Ecclesiastical Polity, Bk. I.

## OPTIONS.

1. Aristotle's Politics, Bks. I. and II.
2. Plato's Republic, Bks. I. and II.

II. Eight months before proceeding to the Degree he shall deliver to the Chancellor fifty copies of a printed thesis, containing, at least, thirty-two octavo pages, on a subject approved by the Examiners. The thesis must give evidence of such literary and scientific attainments as shall justify the Examiners in recommending the candidate for the Degree.

## FEES.

Matriculation.....	\$5 00
Annual Examination.....	10 00
Primary or Final.....	10 00
Examination for LL.D.....	10 00
Degree of LL.B.....	10 00
Degree of LL.D.....	50 00

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Faculty of Theology.

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## Faculty of Theology.

### FACULTY.

REV. N. BURWASH, S.T.D., PRESIDENT,

*Edward Jackson Professor of Biblical and Systematic Theology.*

REV. A. H. REYNAR, M.A.,

*Professor of Biblical and Ecclesiastical History.*

REV. E. I. BADGLEY, B.D., LL.D.,

*Adjunct Professor in Theology.*

REV. G. C. WORKMAN, M.A., PH.D. (Leipzig).

*Professor of Old Testament Exegesis and Literature.*

REV. F. H. WALLACE, M.A., B.D.,

*Professor of New Testament Exegesis and Literature.*

Wesley's Sermon  
Biblical History  
Biblical Introduction  
New Testament  
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## COURSE OF STUDY.

## PRELIMINARY STUDIES.

Wesley's Sermons, I.-LII.

Biblical History.

Biblical Introduction.

New Testament Greek. (Winer's Grammar and Thayer's Lexicon are recommended.)

Hebrew. (Green's Grammar and Davies' Lexicon are recommended.)

Ethics and Natural Theology. (Calderwood's Hand-book and Bowne's Philosophy of Theism are recommended.)

## JUNIOR YEAR.

## THEOLOGY.

PHILOSOPHICAL THEOLOGY: Harris' Philosophical Basis of Theism.

SYSTEMATIC THEOLOGY: Introduction; The Doctrines of Scripture, of God, and of Creation; Pope's Compendium of Christian Theology, Vol. I.; Harris' Self-Revelation of God; Westcott on the Canon of the New Testament; Augustinus, De Civitate Dei, Bks. VIII. and XIX.

## EXEGESIS.

NEW TESTAMENT: The Gospels according to St. Luke and St. John (Greek and Vulgate Texts); Meyer's and Godet's Commentaries, Thayer's and Cremer's Biblico-Theological Lexicons; Edersheim's History of Jesus the Messiah.

OLD TESTAMENT: Exodus I.-XXIV., and Deuteronomy (Hebrew, Septuagint and Vulgate Texts); Delitzsch's Genesis, Vol. I., Lange's Commentary; Oehler's Theology of the Old Testament, Part I.

## HISTORY.

Kurtz, Church History to the Reformation.

## MIDDLE YEAR.

## THEOLOGY.

The Doctrines of Sin, the Person and Work of Christ, the Administration of Redemption, and the Last Things; Pope, Vols. II. and III.; Miley and Crawford on the Atonement; Athanasius, Contra Arianos, I., secs. 11-22 and 37-64; Anselm, Cur Deus Homo.

**EXEGESIS.**

**NEW TESTAMENT:** The Acts (Greek and Vulgate Texts); Meyer's Commentary; Neander's Planting and Training of the Christian Church; Farrar's Life and Work of St. Paul.

**OLD TESTAMENT:** The Prophets; Isaiah I.-XII., and Jeremiah XXIV.-LII. (Hebrew, Septuagint and Vulgate Texts); Orelli on Prophecy; Oehler's Theology of the Old Testament, Part II.; Cheyne's Commentary on Isaiah; Streane's Commentary on Jeremiah, and Workman's The Text of Jeremiah.

**HISTORY.**

History of the Reformation (Fisher).  
History of Doctrine (Sheldon).

**SENIOR YEAR.****THEOLOGY.**

Comparative Theology; Winer's Confessions; Schaff's Creeds of Christendom (for reference).  
Biblical Theology of the New Testament (Weiss).  
Lectures on Oriental Religions.

**EXEGESIS.**

**NEW TESTAMENT:** The Epistles—Romans, Hebrews, 1 John (Greek and Vulgate Texts); Burwash's Hand-book on Romans; Davidson on Hebrews; Haupt and Plummer on 1 John.

**OLD TESTAMENT:** The Poetical Books—The Psalms (Perowne's Commentary); Job (Cox's or Davidson's Commentary); Proverbs (Cheyne on the Hebrew Wisdom); Oehler's Theology of the Old Testament, Part III.

**PRACTICAL THEOLOGY.**

Homiletics (Hoppin).  
\*The Didache (Schaff's Edition).  
\*The Ignatian Epistles, and Selections from Cyprian.  
Lectures on the Development of Church Polity during the first three centuries, or Rigg on Organization of the Church.

\* For Reference, to accompany the Lectures on Church Polity.

Rl

Candid years' standing in give evidence preliminary a Professor allowed in French or C Biblical Greek Candid their equivalent in Divinity. This Examination books name

The Student who takes the prescribed course for 1889 and Exegesis; and Old Testament in addition attained an Examination

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Probationary been appointed in the Discipline close of each Provisory Homiletics. Candidary subject Literary Examination or the Cambridge Theological

## REGULATIONS AND ANNOUNCEMENTS.

## DEGREE OF B.D.

Candidates for this Degree must be Graduates in Arts of, at least, two years' standing, and Ministers or Candidates for the Ministry in good standing in some branch of the Christian Church. They are required to give evidence of satisfactory acquaintance with the subjects assigned as preliminary studies, either as Theological Options in the Arts Course or as a Professional Course for Orders. The following Theological Options are allowed in the Arts Course—In the first and second years, Hebrew for French or German; in the third and fourth years, Hebrew, Theology, or Biblical Greek, for the Language Options.

Candidates, in addition to a satisfactory amount of these Options or of their equivalents, must pass all the Annual Examinations of the Curriculum in Divinity.

This Examination will be based essentially on the subjects. The textbooks named are to be used as aids to the mastery of the subjects.

## HONORS.

The Sanford Gold Medal in Divinity is awarded to the Candidate who takes the highest standing in a Final Review Examination on three prescribed Departments of the Divinity Curriculum. The Departments for 1889 are Theology, Old Testament Exegesis, and New Testament Exegesis; and for 1890, Church History (including History of Doctrine), Old Testament Exegesis, and New Testament Exegesis. Each competitor, in addition to the ordinary statutory requirements for Medals, must have attained an average standing of, at least, sixty per cent. on the ordinary Examinations for B.D.

## CANDIDATES FOR THE MINISTRY.

Probationers for the Ministry of the Methodist Church, who have been appointed to the College, will pursue the Course of Study prescribed in the Discipline of the Church, p. 247. They will be examined at the close of each College year by Examiners appointed by the Senate.

Provision is made each year for instruction in Elocution, as well as in Homiletics.

Candidates for Reception on Trial will find provision for all preliminary subjects in Theology, Biblical Introduction, and History. The Literary Examination for such entrants may be prepared at the same time, or the Candidate may prepare for full University Matriculation at the Cobourg Collegiate Institute. Similar provision for both Literary and Theological work for entrants is made in Albert College.

All such candidates must be recommended to their own District Meeting by the Quarterly Meeting of the Circuit from which they come.

The Macdonald Bursary of \$25, established by the Hon. John Macdonald, of Toronto, is awarded each year to the Probationer for the Methodist Ministry who stands first in Elocution.

The Wallbridge Prize, for New Testament Greek, is open to all Theological Students.

#### FEES AND EXPENSES.

Tuition .....	\$10 00
Incidentals.....	10 00
Single Course of Lectures .....	5 00
Annual Examination .....	5 00
Supplementary Examination (each Paper) .....	2 00
Degree of B.D.....	10 00
Total Expenses for Board, Incidentals, and Tuition	\$120 to 150 00

For further information apply to the Rev. F. H. WALLACE, M.A., B.D., Registrar.

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## ALBERT COLLEGE, BELLEVILLE.

*In affiliation with and Preparatory to Victoria University.*

## FACULTY.

REV. W. P. DYER, M.A., PRESIDENT,

*Professor of Philosophy and Instructor in Classics.*

JAMES THOMPSON BELL, Sc.D.,

*(Honorary Correspondent of Victoria Institute, London, England.)**Hastings Professor of Mines and Agriculture, etc.*

J. A. STANISTREET,

*Professor of Theory and Practice of Music.*

THOMAS F. HOLGATE, B.A.,

*Professor of Mathematics and Physics, and Secretary of Council.*

GEORGE A. SWAYZE,

*Professor of Commercial Science and Penmanship.*

MISS ELLA GARDINER, B.A.,

*Professor of Modern Literature and History, and Preceptress  
Alexandra College.*

MISS EMMA CLARKE,

*Professor of Oil Painting and Drawing.*

JOSEPH H. SHEPHERD,

*Professor of Elocution.*

MISS GEORGENE BURDETTE,

*Teacher of Primary Drawing and Junior English.*

REV. J. H. GEORGE, M.A., PH.D.,

*Emeritus Professor of Oriental Languages and Literature.*

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CE, M.A.,

### COURSES OF STUDY.

- I. JUNIOR OR SENIOR MATRICULATION in Arts, Civil Engineering, Law, Medicine and Theology.
- II. COLLEGIATE COURSE, embodying elective undergraduate studies.
- III. TEACHERS' COURSES to prepare for Teachers' Examinations.
- IV. PRELIMINARY CONFERENCE COURSE, to prepare for Preliminary Conference Examinations of the Methodist Church.
- V. MUSICAL COURSE, in Musical Academy.
- VI. COMMERCIAL COLLEGE COURSE and Ornamental Penmanship Course.
- VII. COURSE IN FINE ARTS, embracing Painting, Drawing, etc.
- VIII. COURSE IN ELOCUTION.
- IX. ALEXANDRA LADIES' COLLEGE COURSES, leading to M.L.A. and M.M.L.

### GENERAL REMARKS.

By reference to the foregoing list it will be seen that Albert College offers great inducements in the variety and extent of its Educational Courses. Attention is called to some important particulars:—

- I. The diploma of Albert College is accepted *pro tanto*, by Victoria University.
- II. Honor Courses and Honor Certificates in all departments are offered.
- III. Prizes in money and medals are offered in various departments.
- IV. Diplomas are awarded to successful candidates by the Senate of the College.
- V. For Collegiate Courses, and courses in "Musical Academy," "Commercial College," "Academy of Fine Arts," and "School of Elocution," send for Announcement of Albert College.

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## MATRICULATION AND COLLEGIATE COURSES.

Albert College is, by Act of Parliament, in affiliation with Victoria University and is especially fitted to prepare Students for both Junior and Senior Matriculation in the different Arts and Faculties of that University.

## COLLEGIATE COURSE.

This course includes the work for Second and Third Class Teachers' Certificate, the work for Junior Matriculation and first year of the Arts Course in Victoria University, and also selected studies in Natural Science and Philosophy. Over one hundred students have entered upon it during the past two years, and at the Convocation of 1888 seven young men received their diplomas, and two young ladies were awarded diplomas as M. L. A. upon the same course of study.

The different grades of Departmental certificates are accepted *pro tanto* on the Collegiate Course.

A Candidate securing the Diploma of graduation is granted first year standing in the Arts Course of Victoria University without further examinations.

## TEACHERS' CERTIFICATE.

Classes are prepared yearly for the different grades of Teachers' Certificates. At the examination of 1886, out of six candidates for Second Class Teachers' certificate, four were successful; and out of twenty candidates for Third Class, eleven were successful. The candidates in the following years have been equally successful.

## CONFERENCE EXAMINATIONS.

Special attention is given to the preparation of candidates for examination in the Preliminary Course of the Methodist Church. Students were prepared and wrote at the Conference examinations of 1885, 1886, 1887, and 1888, and were, in nearly every case, successful.

All Candidates for this examination who are non-matriculated students will find the classes in the Primary and Advanced Forms specially adapted to their wants.

The religious and social advantages in connection with the College make the work of great importance to young men contemplating the Ministry. Classes are formed during the year by the Professor of Elocution at a very low fee, for special drill in Bible Reading, etc. Students are admitted into Albert College without examination.

## TUITION FEES.

(IN SOLID BRANCHES).

Primary Form.....	per Term of Ten Weeks	\$5.00
Advanced Form.....	" " "	6.00
Collegiate.....	" " "	7.00

TOTAL EXPENSE per term of ten weeks for Tuition, Board, Room, Fuel, etc., for Primary Form, \$30; for Advanced Form, \$31; for Collegiate Classes, \$32. The total expense per year is, for Primary Form, \$120; for Advanced Form, \$124; Collegiate Classes, \$128.

PRIMARY FORM.—The Principles of Reading and the method of Teaching it, National Readers; Penmanship, Swayze System; English Grammar, Parsing and Analysis, Mason; Arithmetic, Geography, History, General, English and Canadian.

ADVANCED FORM.—English Composition and Rhetoric, Bain; Latin and Greek Grammar, Harkness and Godwin; Virgil, Æneid; Cicero and Ovid; Homer, Iliad; Xenophon, Anabasis; Book-Keeping and Commercial Forms; Euclid, Algebra, Mensuration.

All the work prescribed by the Victoria University for Matriculation in Arts, whether for Pass or for Honors, and Drawing as prescribed for Grade B, in the Ontario School of Art, are included in this Form.

COLLEGIATE.—Embraces the work of Third year of the Collegiate Course.

Sons and daughters of Ministers and certified probationers in the Ministry in any denomination in Canada are allowed a reduction of one-half the above Tuition Fees, *if boarding in the College or at home.*

All Tuition or Lecture Fees must be paid in advance to entitle the student an Admission Ticket to Lecture Rooms.



\$5.00  
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Room, Fuel,  
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room, \$120; for

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## Catalogue.

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## Catalogue.

### GRADUATES OF 1888.

#### B.A.

Boggs, F. D.	Frizzell, J. W.	McLaughlin, J. F.
Crewson, J. W.	Jamieson, T.	Minkler, E. N.
Campbell, Chris. G.	Kerby, G. W.	Moore, C. I. D.
Connor, J. E.	Langford, H.	Phillips, Miss A. R.
Daly, F. W.	McCall, G. W.	Sellery, S.
Davison, James.		

#### B.Sc.

Peck, H. W., M.A.

#### B.D.

Bowles, R. P., B.A. Cobbleddick, G. H., B.A.

#### LL.B.

Garbutt, R. J.	Maxwell, D. A., B.A.	Sutherland, Rev. D. G., ( <i>ad eum</i> , Tor.).
Hossack, D. C., B.A.	Sifton, A. L., B.A.	
	Weir, A., B.A.	

#### M.A.

Annis, Rev. J. W., B.A.	Cobbleddick, G. H., B.A.	Sifton, A. L., B.A.
Barkwell, W. J., B.A.	Ferguson, J. J., B.A.	Street, J. R., B.A.
Bowles, R. P., B.A.	Holman, E. A., B.A.	

#### M.D. and C.M.

Anderson, R. K.	Gillrie, M. E.	McGillamee, J.
Bell, Geo.	Grant, J.	Patton, J. C.
Broad, J. J.	Gilchrist, W. C.	Piper, D. H.
Baker, W. C.	George, W. R.	Paré, J. A.
Bradd, F. J.	Hart, J. S.	Ross, J. A.
Beaudry, L. A.	Hutton, J. G.	Stinson, A. W.
Bastien, J. H.	Hamilton, W.	Silverthorn, G.
Benoit, L. R.	Jones, Geo. F.	Sisley, O.
Barber, W. C.	Kitchen, F. W.	Tasse, G. C.
Cross, J. A.	Langford, C. B.	Thompson, P. W.
Carruthers, J.	Little, T. H.	Tyrrell, J.
Couture, T.	Lussier, C. A.	Watson, G. R.
Dawson, F. J.	Laurent, E. E.	Watson, L.
Dorion, L. P. A.	Montgomery, R. G.	Webster, T.
Dickinson, G. A.	Marcotte, J. A.	Weir, T. P.
Ferguson, T. A.	Millican, J. A.	Young, S. N.
Frasier, J. V.	McKibbin, S.	

M.D.

Aubry, J. G.	Désy, J.	Leblanc, S.
Biron, A.	Ennis, T.	Migneault, A.
Braut, E.	Gravel, J. T. A.	Morel, C. T.
Barolet, J.	Gendron, A.	Picotte, J. N.
Bourgeau, V.	Gadoury, J. O.	Pominville J. A.
Belhumeur, P.	Lefeboie, M.	Rivet, N.
Baulne, J.	Langis, J. A.	Rouillier, J. P.
Charetier, J. H.	Laroche, F.	Royal, P.
Dorais, U. A.	L'Euuyer, T.	Sirois, F.
Ducharme, H.		

C.M.

Bulner, T. S.

LL.D.

McLaren, J. J., LL.B., D.C.L.

LL.D., (Hon.)

Smith, D. A., M.A.

D.D. (Hon.)

Henderson, Rev. W. C., M.A.; Kilner, Rev. John; Nicholas, Rev. Wm., B.A.

## MEDALLISTS AND PRIZEMEN, 1888.

## FACULTY OF ARTS.

Prince of Wales Gold Medal.....	Moore, C. I. D.
Prince of Wales Silver Medal.....	Minkler, E. N.
Gold Medal in Metaphysics (donated by H. Hough, M.A.).....	McLaughlin, J. F.
Gold Medal in Modern Languages (donated by J. J. Maclaren, Q.C.).....	Connor, J. E.
Silver Medal and Honorable Mention (donated by S. H. Janes, M.A.).....	Moore, C. I. D.
Silver Medal and Honorable Mention in Modern Languages (donated by S. H. Janes, M.A.).....	Phillips, Miss A. R.
Silver Medal in Natural Science (donated by S. H. Janes, M.A.).....	Frizzell, J. W.
2nd Class Honors in Mathematics.....	{ Jamieson, T., Sen. Daly, F. W., " }
1st Class Honors in Moderns and English.....	{ Connor, J. E., Sen. Phillips, Miss A. R., Sen.
1st Class Honors in Natural Science.....	{ Frizzell, J. W., Sen. McLaughlin, J. F., Sen. Moore, C. I. D., " }
1st Class Honors in Philosophy, Logic and Civil Polity.....	{ Minkler, E. N., " Crewson, J. W., Sen. } Equal. Kerby, G. W., " Langford, H., Sen.
2nd Class Honors in Philosophy, Logic and Civil Polity.....	{ McCall, G. W., Sen. Boggs, F. D., " }
1st Class Honors in Mathematics.....	Stevenson, L., Jun.
2nd Class Honors in Mathematics.....	Drope, J. W., " Schofield, W. H., Jun.
1st Class Honors in English.....	{ Lang, A. E., " Horning, L. N., " Brown, G. E. J., " Stevenson, L., " }
2nd Class Honors in English.....	Woods, Miss E. O., Jun.
1st Class Honors in French.....	Addison, Miss M. E. T., Jun. Horning, L. N., Jun.
2nd Class Honors in French.....	{ Schofield, W. H., Jun. Woods, Miss E. O., " Stevenson, L., " Addison, Miss M. E. T., Jun.

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J. F.

A. R.

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1st Class Honors in German.....	{	Lang, A. E., Jun.	
		Horning, L. N., Jun.	
		Schofield, W. H., "	
		Stevenson, L., Jun.	} Eq.
2nd Class Honors in German.....		Woods, Miss E. O., Jun.	
		Addison, Miss M. E. T., Jun.	
		Addison, Miss M. E. T., Jun.	
1st Class Honors in Italian.....		Horning, L. N., Jun.	
		Schofield, W. H., "	
		Woods, Miss E. O., Jun.	
1st Class Honors in Natural Science.....	{	Lang, A. E., Jun.	
		Stevenson, L., "	
		Pugsley, E., Jun.	
1st Class Honors in Philosophy, Logic and Civil Polity.....		Jackson, J. A., Jun.	
		Thompson, A., "	
		McKercher, J., "	
		Lister, H. M., "	
2nd Class Honors in Philosophy, Logic and Civil Polity.....		Larmour, J., "	
		Honey, G. E., "	
		Addison, Miss M. E. T., Jun.	
1st Class Honors in Classics.....	{	Carscallen, A. B., Soph.	
		Cairns, J. F., "	
		Evans, W. S., "	
		Osborne, H. S., "	
2nd Class Honors in Classics.....		Riddell, J. H., "	
		Strangways, B. R., "	
		Snider, E. E., "	
2nd Class Honors in Mathematics.....		Massey, A. W. C., "	
		Schuyler, H. H., "	
1st Class Honors in English.....	{	Donly, A. W., "	
		Creighton, W. B., "	
		Donly, A. W., "	
2nd Class Honors in French.....		Cairns, J. F., "	
		Campbell, C. V., "	
2nd Class Honors in German.....		Donly, A. W., "	
2nd Class Honors in Italian.....		Campbell, C. V., "	
		Wells, C. P., Soph.	
1st Class Honors in Natural Science.....		Minns, J. E., "	
		Pritchard, Jas., "	
		Snider, E. E., "	
		Fletcher, F. E., "	
		Evans, W. S., "	
		Kono, J., Soph.	} Equal.
		Riddell, J. H., Soph.,	
1st Class Honors in Philosophy and Logic.....		Dougall, H. S., Soph.,	} Equal.
		Corrigan, R., "	
		Campbell, C. V., Soph.	
		Ferguson, H. T., Soph.	
		Clarke, W., Soph.	

2nd Class Honors in Philosophy and Logic.....	{ Spear, D., Soph. Creighton, W. B., Soph. Fowler, A., " Hassard, W. E., "
1st Class Honors in Classics.....	{ Sidey, T. K., Fresh. Olds, W. P., "
2nd Class Honors in Classics.....	{ Marshall, S. E., " Slemon, E. T., "
1st Class Honors in Mathematics.....	{ Slemon, E. T., " Daly, R. A., "
2nd Class Honors in Mathematics.....	{ Carson, F. B., " Kennedy, Geo., " Slemon, E. T., " Sykes, W. J., "
1st Class Honors in English.....	{ Libby, Miss M. T., Fresh. Hight, Miss M., " Haanel, Miss G. D., " Wilson, J. S. J., " Potts, Miss H. E. F., " Kerr, Miss E. M., "
2nd Class Honors in English.....	{ Smith, W. J., Fresh. DeLany, Miss C., Fresh. Hight, Miss M., " Libby, Miss M. F., " DeLany, Miss C., "
1st Class Honors in French.....	{ Kerr, Miss E. M., " Haanel, Miss G. D., " Sykes, W. J., " Potts, Miss H. E. F., " } Eq.
2nd Class Honors in French.....	{ Lewis, L. L., " } Waite, W. J., " }
1st Class Honors in German.....	{ Hight, Miss M., " Waite, W. J., " Haanel, Miss G. D., Fresh. Lewis, L. L., "
2nd Class Honors in German.....	{ Potts, Miss H. E. F., " Sykes, W. J., " Delany, Miss C., " Kerr, Miss E. M., "

Punshon Prize and Valedictory (donated by Wm. Kerr, Esq., M. A.), Kerby, G. W.

Wilson Memorial Prize, Daly, F. W.

Clarke Prize (Ethics, Senior Year), Crewson, J. W., and Kerby, G. W.

Wallbridge Prize (Greek Testament—Sophomore Year), Carscallen, A. B., and Evans, W. S.

Ryerson Prize (Scripture History—Freshman Year), McMullen, W.

Webster Prize (English [Pass] of 1st and 2nd Years), Riddell, J. H.

#### FACULTY OF THEOLOGY.

Macdonald Bursary, Smith, W. J.

#### LITERARY ASSOCIATION PRIZES.

First in Elocution, C. V. Campbell.

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 V. B., Soph.  
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 E., "  
 , Fresh.  
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 M. T., Fresh.  
 M., "  
 S. G. D., "  
 J., "  
 H. E. F., "  
 E. M., "  
 , Fresh.  
 S. C., Fresh.  
 M., "  
 M. F., "  
 S. C., "  
 M., "  
 G. D., "  
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 E. F., " } Eql.  
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 M., "  
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 G. D., Fresh.  
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 E. E. F., "  
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 C., "  
 M., "  
 ), Kerby, G. W.  
 y, G. W.  
 len, A. B., and  
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 S.

FACULTY OF ARTS.

UNDERGRADUATES.

SENIORS.

Name.	Post Office.	Name.	Post Office.
Addison, Miss M. E. T.	Uxbridge.	Libby, M. F.	Napanee.
Aylward, R.	Cobourg.	Lister, H. M.	Hamilton.
Brown, G. E. J.	Corbyville.	McKercher, J.	Montreal.
Barber, Miss E. U.	Aylmer.	Pugsley, E.	Nanticoke.
Drope, J. W.	Harwood.	Schofield, W. H.	Lakefield.
Honey, G. E.		Sinclair, S. B.	Hamilton.
Horning, L. N.	Cobourg.	Stevenson, L.	Cobourg.
Jackson, J. A.	Gananoque.	Thompson, A.	Cold Springs.
Lang, A. E.	Rankin.	Wigle, H. A.	Ruthven.
Langford, F.	London.	Woods, Miss E. O.	Cobourg.
Larmour, J.	Dundela.		

JUNIORS.

Bayley, H. E.	Cobourg.	Gordon, A. J.	Tweed.
Bellamy, W.	Colborne.	Hassard, W. E.	Blackstock.
Campbell, C. V.	Ottawa.	Kono, J.	Tokyo, Japan.
Carscullen, A. B.	Dresden.	Lewis, J. G.	Peterborough.
Clark, W.	Welcome.	Pritchard, J.	North Wakefield.
Clarke, A.	Peterborough.	Riddell, J. H.	Cedar Mills.
Corrigan, R.	Inkerman.	Schuyler, H. H.	Simcoe.
Creighton, W. B.	Nilestown.	Sinclair, A. H.	Toronto.
Donly, A. W.	Simcoe.	Snider, E. E.	Port Hope.
Dougall, H. S.	Hallville.	Spear, D.	Cobourg.
Evans, W. S.	Hamilton.	Strangways, B. R.	Penville.
Ferguson, H. T.	Blackstock.	Tucker, W. B.	Campbellford.
Fletcher.	Toronto.	Wells, C. P.	Sarnia.
Fowler, A.	Toronto.		

SOPHOMORES.

Brown, F. L.	Coldwater.	Haanel, Miss G. D.	Cobourg.
Brown, J. N.	Belleville.	Hight, Miss M.	Cobourg.
Cairns, J. F.	Clarenceville.	Hudson, A. G.	Toronto.
Carson, T. B.	Port Hope.	Irwin, A. J.	Markdale.
Daly, R. O.	Napanee.	Kennedy, G.	Cobourg.
DeLany, Miss C.	Cobourg.	Kerr, Miss E. M.	Cobourg.
Drewry, G.	Colborne.	Lewis, L. L.	London.
Earl, D.	West Winchester.	Libby, Miss M. F.	Cobourg.
Elliott, C. G.	Clarenceville.	Mann, A. G.	Cobourg.
Ferris, G. M.	Campbellford.	Marshall, S. E.	St. Catharines.
Gardner, J. E.	Newmarket.	McMullen, W.	London.
Going, A. H.	Windsor.	Massey, A. W. C.	Belleville.
Graham, R. G.	Oxford Station.	Minns, J. E.	Wellington.
Hager, W. K.	Cobourg.	Olds, W. P.	Simcoe.

<i>Name.</i>	<i>Post Office.</i>	<i>Name.</i>	<i>Post Office.</i>
Osborne, H. S. ....	North Wakefield.	Slemon, E. T. ....	Haydon.
Parmelee, G. W. ....	Montreal.	Smith, W. J. ....	Glencoe.
Potts, Miss H. E. F. ....	Toronto.	Sykes, W. J. ....	Cobourg.
Perrett, T. E. ....	Pembroke.	Taylor, A. W. ....	Simcoe.
Ross, A. S. ....	Grafton.	Wallwin, I. B. ....	Beton.
Sanford, E. J. ....	Hamilton.	Westwood, G. W. ....	Nanaimo.
Sharpe, W. D. ....	Knowlton.	Wilson, J. S. I. ....	Cobourg.
Sidey, T. K. ....	Cobourg.		

## FRESHMEN.

Agar, G. ....	Weston.	Langdon, K. ....	Brighton.
Allin, A. ....	Utica.	Leach, G. ....	Fenella.
Anderson, J. F. ....	Rossmore.	Lewis, H. F. ....	Peterborough.
Badgley, B. E. ....	Cobourg.	Lingham, Miss N. ....	Belleville.
Barraclough, W. H. ....	Ingersoll.	Lingham, C. ....	Belleville.
Boyce, B. F. ....	Norham.	Livingstone, J. F. ....	Singhampton.
Brown, A. H. ....	Sombra.	Martin, R. G. ....	Dundas.
Burwash, E. M. J. ....	Cobourg.	Moffatt, Wm. ....	Grafton.
Brooking, R. E. ....	Cobourg.	Montgomery, Wm. ....	Fenella.
Brett, R. E. ....	Toronto.	Morgan, J. J. ....	Omemece.
Carson, T. B. ....	Port Hope.	Mulligan, J. W. ....	Omemece.
Chisholm, R. F. ....	Ottawa.	McAmmond, R. B. ....	Elgin.
Crawford, A. W. ....	Berlin.	Outwater, S. W. ....	Plainfield.
Campbell, Miss A. E. ....	Deseronto.	Procnier, C. A. ....	Bayham.
Darling, E. S. ....	Codrington.	Quackenbush, ....	Mountain View.
Dawson, W. ....	Barrie.	Rosebrugh, F. A. ....	Hamilton.
Doxsee, E. R. ....	Baltimore.	Robb, J. W. ....	Cobourg.
Doxsee, W. M. ....	Baltimore.	Rowsam, H. A. ....	Burlington.
Elliott, Miss A. E. ....	Clarenceville.	Scott, C. T. ....	Petrolca.
Ferguson, L. A. ....	Cobourg.	Stollwood, R. J. ....	Hamilton.
Garrison, Miss K. ....	Corbyville.	Stilwell, R. J. ....	Toronto.
Henderson, W. A. ....	Stanstead.	Snell, J. F. ....	Edmonton.
Henderson, A. E. ....	Tara.	Staples, W. ....	Cobourg.
Jamieson, W. N. ....	Deloraine.	Thompson, C. W. ....	Granton.
Jones, Miss Gertrude, ....	Bowmanville.	Thornley, A. E. ....	Marmion.
Kennedy, Keith, ....	Bowmanton.	Waite, W. J. ....	Harwood.
Kennedy, J. A. ....	Dunsford.	Wallace, A. B. ....	Orillia.
Kerr, F. D. ....	Cobourg.	Williams, N. ....	Lindsay.

## SPECIALISTS.

Anderson, S. H. ....	Oakwood.	Keenleyside, C. B. ....	London.
Brown, A. I. ....	Sombra.	Lane, G. A. ....	Cobourg.
Ramforth, R. ....	Norwich.	McCullough, Miss E. ....	Cobourg.
Bawly, C. L. ....	London.	Nixon, W. ....	Parry Sound.
Crookshank, J. J. ....	Millbank.	Pentland, S. V. R. ....	Dungannon.
Couch, I. ....	Tyrone.	Pescott, W. E. ....	Aldershot.
Clarer, G. R. ....	Chapman.	Porter, T. ....	St. Thomas.
Casson, H. ....	Mitchell.	Roy, Miss Ida, ....	Cobourg.
Dawn, J. ....	Magnetawan.	Stobbs, Miss M. ....	Bartonville.
Elias, W. A. ....	Cobourg.	Stoney, H. E. C. ....	Hamilton.
Grose, R. ....	Cobourg.	Thompson, S. J. ....	Victoria.
Holmes, A. J. ....	Cobourg.	Tsuji, O. ....	Tokyo, Japan.
Harris, P. D. ....	Parkhill.	Whiting, R. ....	St. Thomas.
Hogg, J. ....	Cobourg.	Winslow, J. A. ....	Dunnville.
Hollinshead, H. B. ....	Cobourg.		



## FACULTY OF LAW.

— >  
UNDERGRADUATES.

<i>Name.</i>	<i>Post Office.</i>
Allen, C. H. ....	Kincardine.
Birks, A. K., B.A. ....	Guelph.
Campbell, Rev. W. F. ....	London.
Carson, S. W. ....	Belleville.
Culver, W. H., B.A. ....	Winnipeg.
Dixon, J. B. ....	Brampton.
Farrer, G. E. ....	Parry Sound.
Garbutt, Rev. R. J. ....	Hollin.
Goff, Rev. W. J. ....	Port Perry.
Hall, J. ....	Victoria, B.C.
Hincks, W. H. ....	St. Mary's.
Hodson, Rev. J. M., M.A. ....	Windsor.
Hollman, E. A., B.A. ....	Toronto.
Irvine, R. C. ....	Colborne.
Johnston, Wm., M.A. ....	Farmersville.
Jones, W. D. ....	Brantford.
Kerr, W. F., B.A. ....	Cobourg.
Machum, E. R. ....	Portland, N.B.
Wilson, Jos., B.A. ....	Mount Charles.
Willmott, A. B., B.A. ....	Brampton.

## FACULTY OF THEOLOGY.

## UNDERGRADUATES.

<i>Name.</i>	<i>Post Office.</i>	<i>Name.</i>	<i>Post Office.</i>
Allyn, A. ....	Uxbridge.	Lewis, J. F. ....	Norwood.
Barracough, W. H. ....	Ingersoll.	Marshall, S. E. ....	St. Catharines.
Bayley, H. E. ....	Cobourg.	McColl, E. W., B.A. ....	Cobourg.
Beynon, R. B. ....	Windermere.	McLaughlin, J. F.,	
Brown, W. C., B.A. ....	Lambeth.	B.A. ....	Hamilton.
Coates, H. H., B.A. ....	Prescott.	McMullen, W. ....	London.
Corrigan, R. ....	Winchester.	Moore, C. I. D., B.A. ....	Tokyo, Japan.
Ferguson, H. T. ....	Cartwright.	Osborne, H. S. ....	N. Wakefield.
Fowler, A. ....	Toronto.	Philp, W., B.A. ....	Manotick.
Frizzell, J. W., B.A. ....	St. Paul's, Minn.	Riddell, J. H., B.A. ....	Cedar Mills.
Gardiner, J. E. ....	Newmarket.	Saunby, J. W., B.A. ....	Tokyo, Japan.
Going, A. H. ....	Windsor.	Taylor, A. W. ....	Simcoe.
Hassard, W. E. ....	Blackstock.	Tucker, W. B. ....	Campbellford.
Irwin, A. J. ....	Desboro'.	Wallwin, I. B. ....	Beeton.
Kerby, E. W., B.A. ....	Woodstock.	Ward, Jos., B.A. ....	Charing Cross.
Langford, F. ....	London.	Wells, C. P. ....	Sarnia.
Large, T. A., B.A. ....	Tokyo, Japan.	Wigle, H. A. ....	Ruthven.
Larmour, J. ....	Pembroke.		

## CONFERENCE STUDENTS.

Anderson, S. E. ....	Sarnia.	Jameson, W. N. ....	Deloraine, Man.
Clare, J. N. ....	Tweed.	Pentland, S. V. ....	Goderich.
Elias, W. A. ....	Parry Sound.		

## PREPARATORY STUDENTS.

Brown, F. L. ....	Coldwater.	Darling, E. S. ....	Brighton.
Brown, J. N. ....	Belleville.	Hudson, A. E. ....	Toronto.
Casson, H. ....	Mitchell.	Kobayashi, M. S. ....	Tokyo, Japan.
Crawford, A. M. ....	St. George.	Wilson, J. S. I. ....	Cobourg.
Creighton, W. B. ....	Nilestown.		

# Toronto School of Medicine.

## MEDICAL FACULTY AT TORONTO.

Forty-four candidates entered for the Final Examinations in the Medical Faculty, and sixteen for the Primary.

Twenty-eight have matriculated since the last Report.

### CANDIDATES FOR M.D.C.M.

Almas, W. E.	Halliday, A. H.	Noble, J.
Archer, D.	Harrington, A. J.	Preiss, F.
Bates, S.	Henderson, D.	Reid, J. H.
Birdsall, W. W.	Henwood, J. M.	Reynolds, A. J.
Bull, E.	Howell, R. G.	Rutherford, S. T.
Cunningham, F. W.	Ivey, J. A.	Smith, A. A.
Egbert, Wm.	Lockyer, C. D.	Starr, F. N. G.
Forfar, J. E.	McKay, D.	Stringer, T. L.
Greenlaw, J. A.	McDonald, R.	Turnbull, J. L.
Gimby, W. E.	McLachlan, C.	Tweddle, J. S.
Groves, W. H.	McLeod, D.	Wallwin, H.
Guthrie, J. B.	McPherson, W. A.	Whiteman, G. A.
	Yeomans, H.	

### PRIMARY OR THIRD YEAR MEN.

Blewett, W. J.	Gartley, A. C.	Lundy, P.
Chrystal, R. J.	Gordon, E. P.	Sherk, F. H.
	Watts, S.	

L'ECOLE DE MEDECINE ET DE CHIRURGIE  
DE MONTREAL.

STUDENTS IN MEDICINE, SESSION 1888-89.

- |                         |                        |
|-------------------------|------------------------|
| Archambault, Alom.      | Dagenais, Elphège.     |
| Arsenault, Alfred.      | Daigneault, Osias.     |
| Auger, Chas. Edouard.   | Daigle, Achille.       |
| Baribeault, Arthur.     | Dandurand, Jules.      |
| Beauchenu, Herm.        | Dandurand, Sigefroid.  |
| Beaudoin, Eus.          | D'Acoust, J. A. C.     |
| Beaudoin, Wilfrid.      | Delisle, J. B.         |
| Beausoleil, Cléophas.   | Demers, Toussaint.     |
| Beck, John.             | Dénis, Henri.          |
| Bedard, Agarie.         | Desilets, C. S. Leuc.  |
| Bédard, Joseph A.       | Desjardins, F. X.      |
| Bedard, U. A.           | Deslauriers, J. B.     |
| Bellerose, Alberic.     | Desmarais, Jos. H.     |
| Bergeum, Louis.         | Desrosiers, Cléoph.    |
| Bernard, Americ.        | Desy, Gustave.         |
| Bessette, E. A.         | Desy, Les Phil.        |
| Bissonnette, L. B.      | Dorion, J. B.          |
| Blackburn, Nap. Nairne. | Dubeau, Q.             |
| Blanchet, Alexis.       | Duckett, Oscar D.      |
| Blanchet, Gédéon.       | Dumont, Emile.         |
| Boisseau, Gustave.      | Dusseault, Fabien.     |
| Boucher, Henri.         | Faribeault, George.    |
| Boucher, Séraphin.      | Fontaine, J. E.        |
| Bouillon, Alfred.       | Forest, Alfred.        |
| Bourhonnais Elie.       | Forest, Moise.         |
| Brady, Chs. A.          | Forget, Ulric.         |
| Brault, Israel.         | Fortier, Jos. E.       |
| Brien, J. Ad.           | Fortier, Les Ed.       |
| Campeau, Henri.         | Fortin, Jas. Abel.     |
| Caron, Les Thomas.      | Facuette, Jas.         |
| Chandonnet, Achille.    | Gaboury, Henri.        |
| Chaput, H. A.           | Gadbois, Jas.          |
| Charbonneau, Anthime.   | Gagner, Paul.          |
| Charbonneau, L.         | Gaudet, M. H. A.       |
| Charland, Les Siméon.   | Gauthier, Wilfrid.     |
| Charlebois, Antoine.    | Gervais, Rosario.      |
| Charest, Charles.       | Gervais, Théodore.     |
| Cholette, Clément.      | Giguère, Joseph.       |
| Chopin, Jules Ant.      | Girard, Charles.       |
| Choquette, Félix.       | Girouard, Jas. Amedée. |
| Chouinard, J. B.        | Girouard, Léonard.     |
| Cornellier, Arthur.     | Grandpré, Henri de.    |
| Coutu, Henri.           | Gravel, J. M. A.       |
| Craig, George.          | Grondin, J. M.         |
| Creulier, Duncan.       | Guernon, Henry.        |
| Cyphot, Les N.          | Guertin, Auguste.      |
| Dagenais, Achille.      | Guilbeault, Chas.      |

Guilmette, Geo. Eug.  
 Guimond, Omer.  
 Hamelin, Jas. Alfred.  
 Helier, Omer.  
 Hudon, Armand.  
 Huet, Edmond.  
 Jasmin, Téléphore.  
 Kearney, Jas. E.  
 Kennedy, Edward J.  
 Laberge, Alexandre.  
 Lacaille, Ubalde.  
 Lachapelle, J. Omer.  
 Ladouceur, Daniel.  
 Lafontaine, Oct. B.  
 Laforce, Edouard.  
 Lafrénière, Aisène.  
 Lajoie, Médérie.  
 Lamarche, Boniface.  
 Lapiere, Henri.  
 Lapiere, Jos. Amla.  
 Lapointe, Auguste A.  
 Lapointe, Cléophas.  
 Lapointe, Louis.  
 Larin, Edmond.  
 Larin, Geo. E.  
 Larose, Arthur.  
 Lasalle, Théod.  
 Lavallée, Martial.  
 Lavole, Florian.  
 Leblanc, Aimé.  
 Leboeuf, Sylva.  
 Lecavalier, Alfred.  
 Lecompte, Geo. L.  
 Lefils, Fred.  
 Legault, Wm.  
 Lemaire, Charles.  
 Levasseur, Aug. J. A.  
 Longpré, Daniel.  
 Lortie, Hoismidas.  
 Lussier Pierre.  
 Marien, P. A.  
 Marin, J. A.  
 Marin, Phil.  
 Masson, Jos.  
 Masson, Les Jos.  
 Mathieu, Aug.  
 Mayer, Louis.  
 Maynard, Aimé.  
 McHuinne, Frank.  
 McGill, Patrick G.  
 Michaud, L. B. P.  
 Mirault, Anatole.

Molleur, Cyr.  
 Molleur, Leo.  
 Morin, Wm.  
 Neuen, Albert.  
 Nolin, Edmond.  
 Nolin, Henri.  
 Normandin, Ouide.  
 Paiement, Osias.  
 Paulhus, O. M.  
 Payette, Adelarard.  
 Pelletier, Martial.  
 Perrault, J. N.  
 Picard, Hois.  
 Piché, Euch.  
 Pichette, P. A.  
 Pidgeon, Jas. P.  
 Plette, Alphonse.  
 Plouffe, F. X.  
 Poitras, F. X.  
 Poitras, Jos. Od.  
 Poupart, Jos.  
 Prévost, C. A.  
 Prévost, F. de S.  
 Prévost, Henri.  
 Prévost, Paul.  
 Prieur, Jean C.  
 Quesnel, Eugène.  
 Ranger, Auila.  
 Riburdy, Amédée.  
 Richardson, Jas.  
 Roch, Emilien.  
 Rochette, Les D.  
 Rohrer, S.  
 Rondeau, Sam.  
 Roy, Edouard.  
 Roy, Hector.  
 Savignae, Arthur.  
 Serres, Felix.  
 Sicard, Josias D.  
 Sirois, Alphonse.  
 Sylvestre, F. X.  
 Tassé, J. C..  
 Thérien, B.  
 Thérien, Ov.  
 Tremblay, J. N.  
 Trudeau, Les Jos.  
 Vary, Aimé  
 Viau, Jos.  
 Vilbou, Alf.  
 Voisard, F. X.  
 Warren, J. Les.

## ALBERT COLLEGE.

### STUDENTS IN ATTENDANCE.

*Session of 1887-88—Fall Session of 1888-89.*

#### Gentlemen.

Ayars, Charles R. . . . . London.	Edwards, Chas. A. . . . . Belleville.
Anderson, F. J. . . . . Rossmore.	English, Chas. . . . . Madoc.
Armstrong, J. P. . . . . Peterboro'.	Fanning, Owen . . . . . Stirling.
Brett, Robt. E. . . . . Toronto.	Fretz, Wm. G. . . . . Napanee.
Brown, Fred. L. . . . . Coldwater.	Fairman, J. . . . . Corbyville.
Brown, John N. . . . . Belleville.	Fox, Sherman. . . . . Picton.
Bamforth, Richard . . . . . Norwich.	German, Thos. B. . . . . Belleville.
Buchanan, Chas. . . . . Kemptville.	Graham, Robt. G. . . . . Oxford Station.
Bellemith, E. J. . . . . Collingwood.	Gee, W. H. . . . . Pickering.
Bentley, W. B. . . . . Belleville.	Gillands, Joseph. . . . . Chilliwack, B.C.
Baker, George W. . . . . Belleville.	Hicks, Frank D. . . . . Plainfield.
Bryden, John W. . . . . Wellington, B.C.	Harmer, John . . . . . Toronto.
Brown, Fred. . . . . Corbyville.	Huxtable, Chas. . . . . Iroquois.
Boyce, Ben F. . . . . Norham.	Hughs, John M. . . . . Coblin.
Badgley, Wm. N. . . . . Canifton.	Henderson, Albert E. Tara.
Boyce, W. S. . . . . Norham.	Hanna, James . . . . . Peterboro'.
Beer, W. B. . . . . Marmora.	Hart, Royal H. . . . . Cannifton.
Black, James. . . . . Morewood.	Hoard, Arthur . . . . . Hoard's Station.
Burwash, E. M. J. . . . . Cobourg.	Hollinrake, F. W. . . . . Millon West.
Brown, Asa L. . . . . Sombra.	Holmes, Hugh B. . . . . Chambly, Que.
Brown, A. H. . . . . Sombra.	Inglis, Walter F. . . . . Toronto.
Baylis, Herbert A. . . . . Trowbridge.	James, John A. . . . . Belleville.
Bleekman, Wm. E. . . . . Cannifton.	Johnston, Melvin H. Eldorado.
Brown, Sylvester. . . . . Portland.	Johnston, Lowden. . . . . Riceville.
Barnes, Joseph . . . . . Hainesville.	Johnston, Fred B. . . . . Belleville.
Cross, W. J. . . . . Cobourg.	Kennedy, John A. . . . . Dunsford.
Chant, W. A. . . . . Thurso, Que.	Livingstout, F. J. . . . . Singhampton.
Courtyce, J. A. . . . . Bethany.	LaRue, M. L. . . . . Cannifton.
Clendenning, Geo. D. Montreal.	Leggott, Thos. . . . . Toronto.
Cosens, T. W. . . . . Trowbridge.	Leavens, Chas. C. . . . . Belleville.
Clarke, W. J. . . . . Cannifton.	Lent, Willett. . . . . Rossmore.
Courtyce, John. . . . . Cannifton.	Leavens, D. H. . . . . Belleville.
Charlton, W. M. . . . . Brantford.	Lunaw, H. A. . . . . Markham.
Chisholm, A. M. . . . . Ottawa.	Lingham, Chas. . . . . Belleville.
Campbell, Robert. . . . . Laggan.	Lovinger, H. L. . . . . Coldwater.
Chambers, Ed. . . . . Toronto.	Leech, Anson. . . . . Ft. Worth, Texas.
Carr, John. . . . . Belleville.	Marskell, George F. . . . . Belleville.
Dennis, Harry . . . . . Toronto.	Mills, Arthur W. . . . . Kemptville.
Dalby, Frank J. . . . . Victoria, B.C.	Massey, Alfred Y. . . . . Wallbridge.
Dalby, W. S. . . . . Victoria, B.C.	Marsh, Fred. E. . . . . Queensboro'.
Dyer, Jabez D. . . . . Oshawa.	McDonald, Wm. J. . . . . Stirling.
Doyle, Jos. N. . . . . Belleville.	McKibbon, Rupert E. Toronto.
Down, James . . . . . Magnetawan.	McAmmond, Robert. Elgin.
Dempsey, J. F. . . . . Albury.	Maine, Chipman . . . . . Belleville.
Davidson, W. E. . . . . Morganstown.	Melburn, Allan H. . . . . Plainfield.
Davidson, J. H. . . . . Hillier.	Morrison, Joseph F. . . . . Bensfort.
Dean, Marshall. . . . . Brighton.	Metzler, John W. . . . . Regina, N.W.T.
Denike, Isaac. . . . . Melrose.	Mott, Fred. . . . . Bath.
Elliott, Chas. G. . . . . Clarenceville, Q.	McKenzie, Chas. . . . . Duck Lake, N.W.T.

McBain, Jas. H. . . . . Attwood.  
 McGill, Herman . . . . . Dixon.  
 Nickle, George . . . . . Madoc.  
 Nicholson, Chas. F. . . . . Belleville.  
 Oliver, Chas. . . . . Deseronto.  
 Outwater, S. W. . . . . Plainfield.  
 O'Brien, Ed. . . . . Belleville.  
 Pickett, James K. . . . . Rednersville.  
 Patterson, Thos. A. . . . . Toronto.  
 Quackenbush, Arvley. Mountain View.  
 Robinson, S. D. . . . . Alliston.  
 Robeson, Frank C. . . . . Wallbridge.  
 Robeson, James G. . . . . Wallbridge.  
 Robinson, Eph. D. . . . . Morven.  
 Robson, Albert M. . . . . Vernonville.  
 Stillwell, R. J. . . . . Toronto.  
 Smith, Chas. F. . . . . Belleville.  
 Swayze, W. M. . . . . Belleville.  
 Smith, W. E. . . . . Elizabethville.  
 Summers, A. A. . . . . Aultsville.  
 Singleton, A. B. . . . . Newboro'.  
 Seymour, J. F. . . . . Thomasburg.  
 Sharpe, Wm. D. . . . . Frelighsburg, Q.  
 Simmons, Fred . . . . . Foxboro'.  
 Stevenson, John C. . . . . Belleville.  
 Scott, Thomas . . . . . Mitchell.  
 Stanistreet, John A. . . . . Belleville.

Swain, Robert . . . . . Valentia.  
 Steinberg, Allan . . . . . Hainesville.  
 Snider, W. H. . . . . Belleville.  
 Smith, Fred. B. . . . . Toronto.  
 Sparling, John E. . . . . Foxboro'.  
 Thornley, Arthur E. . . . . Marmion.  
 Thrasher, Albert E. . . . . Belleville.  
 Tonkin, E. A. . . . . Cannifton.  
 Thorne, Joshua . . . . . Mariposa.  
 VanAllan, John . . . . . Belleville.  
 Ventress, Chas. . . . . Trenton.  
 VanAllan, James, A. . . . . Belleville.  
 Warde, Jos. . . . . Belleville.  
 Westwood, Wm. T. . . . . Nanaimo, B. C.  
 Westwood, Geo. W. . . . . Nanaimo, B. C.  
 Wright, Chas. J. . . . . Aylmer, Que.  
 Wright, C. P. . . . . Aylmer, Que.  
 Williams, Anson H. . . . . Hillier.  
 Williamson, Wm. . . . . Pembroke.  
 Watts, Wm . . . . . Belleville.  
 Wain, George A. . . . . Oxford Mills.  
 Williams, Frank . . . . . Comborne.  
 Wheeler, Arthur C. . . . . Montreal.  
 Walker, Robert J. . . . . Lucknow.  
 Whale, John. . . . . Toronto.  
 Wilson, M. J. . . . . Harmony.  
 Yeomans, Louis. . . . . Belleville.

## Ladies.

Burdette, Georgina A. . . . . Newburgh.  
 Bush, Asenath . . . . . Frankford.  
 Bentley, Blanche . . . . . Belleville.  
 Bonar, Eliza . . . . . Belleville.  
 Burgess, Lillie . . . . . Belleville.  
 Clarke, Patience E. . . . . Moira.  
 Chapman, Bessie . . . . . Roslin.  
 Carman, Allo . . . . . Belleville.  
 Campbell, Annie M. . . . . Deseronto.  
 Crumb, Susie . . . . . Belleville.  
 Clarke, Caro. . . . . Cannifton.  
 Caton, Blanche . . . . . Napanee.  
 Cosens, Mary H. . . . . Trowbridge.  
 Connors, Alice . . . . . Chatterton.  
 Dyer, Huldah E. . . . . Belleville.  
 Downs, Minnie . . . . . Belleville.  
 Elliott, Alice E. . . . . Clarenceville, Q.  
 Earl, Ida . . . . . Belleville.  
 Fry, Libbie . . . . . Belleville.  
 Frost, Hilda . . . . . Belleville.  
 Galbraith, Bessie . . . . . Montreal, Que.  
 Garrison, Kate . . . . . Blessington.  
 Garrison, Maud V. . . . . Plainfield.  
 Graham, Gertie . . . . . Roslin.  
 Garrison, Della . . . . . Blessington.  
 Huffman, Maud . . . . . Belleville.  
 Hudgins, Minnie L. . . . . Belleville.  
 Hudgins, Annie . . . . . Belleville.

Hölden, Ida . . . . . Belleville.  
 Hicks, Helen A. . . . . Plainfield.  
 Ketcheson, Sarah . . . . . Corbyville.  
 Lingham, Nettie . . . . . Belleville.  
 Lambly, Marion K. . . . . Madoc.  
 Locie, Florence A. . . . . Consequon.  
 Lake, Allie . . . . . Belleville.  
 Lloyd, Mary . . . . . Belleville.  
 McFee, Minty . . . . . Belleville.  
 Meyers, Carrie . . . . . Wilton.  
 Meyers, Florence . . . . . Wilton.  
 Morton, Sarah E. . . . . Belleville.  
 McCay, Gertrude . . . . . Burlington.  
 Pickett, Ketha . . . . . Rednersville.  
 Preston, Maggie . . . . . Stella.  
 Rowe, Edith M. . . . . Stockdale.  
 Robeson, Mattie . . . . . Wallbridge.  
 Robbins, Jennie. . . . . Cape Vincent, N. Y.  
 Reed, Hettie M. . . . . Madoc.  
 Redick, Melinda . . . . . Rossmore.  
 Scantlebury, Ada . . . . . Corbyville.  
 Schell, Elmira . . . . . Young, N. Y.  
 Squier, Ada M. . . . . Belleville.  
 Snook, Annie . . . . . Wilton.  
 Tonkin, Bessie . . . . . Cannifton.  
 Vandewater, Kate. . . . . Foxboro'.  
 Walker, Minnie . . . . . Belleville.  
 Yarwood, Mary. . . . . Picton.

Yarwood, Clara. . . . . Belleville.

SUMMARY.  

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Students in Arts .....	176
Students in Medicine (Toronto) .....	260
Students in Medicine (Montreal) .....	197
Students in Theology.....	48
Students in Law.....	20
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Registered in two Faculties .....	701
	<hr/>
	666



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College Societies.

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## College Societies.

### THE LITERARY ASSOCIATION.

ESTABLISHED 1857.

*Object: Cultivation of Literature, Science and Oratory.*

SESSION 1888-89.

#### OFFICERS—FIRST TERM

Dr. Bain, Honorary President.	J. Pritchard, Corresponding Secretary.
J. W. Drope, President.	W. J. Sykes, Recording Secretary.
G. E. J. Brown, Vice-President.	F. I. Kerr, Asst. Rec. Secretary.
W. H. Schofield, Critic.	A. J. Gordon, Treasurer.
A. B. Carscallen, Assistant Critic.	G. E. J. Brown, Librarian.
E. E. Snider, Leader of Government.	E. E. Snider, Assistant Librarian.
G. M. Ferris, Leader of Opposition.	

#### OFFICERS—SECOND TERM.

W. F. Kerr, B.A., Honorary President.	H. T. Ferguson, Leader of Opposition.
G. E. J. Brown, President.	W. J. Sykes, Corresponding Secretary.
E. Pugsley, Vice-President.	T. K. Sidey, Recording Secretary.
J. A. Jackson, Critic.	G. W. Westwood, Assistant Rec. Sec.
E. E. Snider Assistant Critic.	W. Bellamy, Treasurer.
R. Corrigan, Leader of Government.	E. E. Snider, Librarian.
	T. B. Carson, Assistant Librarian.

#### PRIZES.

Elocution. Debating. General College Song.

Regular entertainments of the Society are held the last Friday evening of each month throughout the Session, to which the public are cordially invited. At the other regular meetings, which are private, the Society resolves itself into the form of a Parliament, having all the procedure of the most accomplished Legislative Assembly.

A valuable Library of several hundred volumes, consisting of standard works on History, Biography, Travel, Science, etc., is accessible to all members of the Society. Many valuable additions of the standard works in all the above departments have been made during the last year.

All Undergraduates are eligible for membership.

## THE JACKSON SOCIETY.

INSTITUTED 1874.

*Object: Mutual-Improvement and Greater Efficiency in Christian Work.*

### OFFICERS—FIRST TERM.

J. M. Larmour, President.	I. B. Wallwin, Assistant Critic.
H. A. Wigle, Vice-President.	W. H. Barraclough, Leader of Choir.
W. K. Hagar, Recording Secretary.	J. S. I. Wilson, Organist.
Wm. McMullen, Corresponding Secretary.	W. H. Barraclough, Librarian.
A. W. Taylor, Treasurer.	C. A. Procnier, Assistant Librarian.
H. E. Bayley, Critic.	J. G. Lewis, } Leaders of Divisions.
	A. J. Irwin, }

### OFFICERS—SECOND TERM.

H. A. Wigle, President.	J. H. Riddell, Assistant Critic.
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A. W. Taylor, Treasurer.	C. A. Procnier, Assistant Librarian.
I. B. Wallwin, Critic.	A. H. Going, } Leaders of
	W. N. Jamieson, } Divisions.

### LIBRARY.

The Society is provided with a good Library.

### MEETINGS.

Regular meetings are held every Friday evening in Jackson Hall. Special advantages are afforded for the development of debating and elocutionary powers. All students of the College are eligible for membership.

## MISSIONARY SOCIETY.

*Object: To promote an active interest among the students in Home and Foreign Missions, and to co-operate with the "Inter-collegiate Missionary Alliance."*

### OFFICERS.

<i>President</i> .....	J. M. LARMOUR.
<i>Vice-President</i> .....	E. PUGSLEY.
<i>Recording Secretary</i> .....	H. A. WIGLE.
<i>Corresponding Secretary</i> .....	H. E. BAYLEY.
<i>Treasurer</i> .....	W. E. PEScott.

This Society has already sent two graduates to Japan.

Monthly meetings are held, at which interesting programmes are rendered.

## THE SCIENCE SOCIETY.

### ORGANIZED 1886.

*Object: The Advancement of Scientific Knowledge among its Members, and the Development of the Habits of Original Research, as well as Training in Extemporaneous Speaking, Elocution, etc.*

### OFFICERS.

<i>President</i> .....	C. WELLS.
<i>Vice-President</i> .....	J. KONO.
<i>Recording Secretary and Treasurer</i> .....	E. T. SLEMON.
<i>Assistant Recording Secretary</i> .....	J. KENNEDY.
<i>Corresponding Secretary</i> .....	J. E. MINNS.

### MEETINGS.

Meetings are held in the Society's rooms every Saturday night, during the College Session. The Literary part of the evening's work consists of elocutionary exercises and the reading and discussion of an essay. In the discussion every member of the Society is expected to take part.

An Inaugural Address is delivered by the President each year, in Faraday Hall, and the work of the Society is closed by a Lecture delivered in the same place during Convocation Week.

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Matriculation Examination,

JULY, 1888.

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ARTS AND MEDICINE.

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UNIVERSITIES OF VICTORIA, QUEEN'S AND TRINITY.

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## Matriculation Examination.

JULY, 1888.

LATIN AUTHORS—Pass.

PROFESSOR FLETCHER (QUEEN'S).

I. Cæsar, De Bello Gallico, B. I., Ch. 21.

Translate :

(a) Eodem die ab exploratoribus certior factus hostes sub montē consedisse millia passuum ab ipsius castris viii., qualis esset natura montis, et qualis in circuitu adscensus, qui cognoscerent, misit. Renunciatum est, facilem esse. De tertia vigilia T. Labienum, legatum pro prætore, cum duabus legionibus, et iis ducibus, qui iter cognoverant summum jugum montis ascendere jubet; quid sui consilii sit, ostendit; ipse de quarta vigilia eodem itinere, quo hostes ierant, ad eos contendit; equitatumque omnem ante se mittit.

Cicero, In Catilinam, I., § 30.

(b) Quamquam non nulli sunt in hoc ordine, qui aut ea quae imminent non videant aut ea quae vident dissimulent: qui spem Catalinae mollibus sententiis aluerunt coniurationemque nascentem non credendo corroboraverunt: quorum auctoritatem secuti multi non solum improbi, verum etiam imperiti, si in hunc animadvertissem, crudeliter et regie factum esse dicerent. Nunc intelligo, si iste, quo intendit, in Manliana castra pervenerit, neminem tam stultum fore qui non videat coniurationem esse factum, neminem tam improbum qui non fateatur. Hoc autem uno interfecto intelligo hanc rei publicae pestem paulisper reprimi, non in perpetuum comprimi posse.

1. Parse (a) *factus, consedisse, cognoverant, jubet, ostendit, ierant*; (b) *aluerunt, nascentem, credendo, secuti, fore, fateatur, posse*.

2. Explain the case of *die, millia, consilii, itinere*.

3. Explain the mood of (a) *esset, cognoscerent, sit*; (b) *videant, animadvertissem, dicerent, pervenerit*.

4. Write notes on *legatum, pro prætore, legio, ordine, spem Catalinae, Manliana castra*.

II. Virgil, Æneid, B. I.

Translate :

(a) *Extemplo Aeneae solvuntur frigore membra ;  
ingemit, et, duplices tendens ad sidera palmas  
talìa voce refert : 'o terque quaterque beati,*

quis ante ora patrum Troiæ sub moenibus altis  
 contigit oppetere ! o Danaum fortissime gentis  
 Tydide ! mene Iliacis occumbere campis  
 non potuisse tuaquæ animam hanc effundere dextra,  
 saevus ubi Aeacidae telo iacet Hector, ubi ingens  
 Sarpedon, ubi tot Simois correpta sub undis  
 scuta virum galeasque et fortia corpora volvit !

- (b) Paret Amor dictis caræ genetricis, et alas  
 exuit et gressu gaudens incedit Iuli.  
 at Venus Ascanio placidam per membra quietem  
 inrigat, et fotum gremio dea tollit in altos  
 Idaliae lucos, ubi mollis amaraeus illum  
 floribus ad dulci aspirans complectitur umbra.  
 iamque ibat dicto parens et dona Cupido  
 regia portabat Tyriis duce laetus Achate.  
 cum venit, aulæis iam se regina superbis  
 aurea composuit sponda mediamque locavit ;  
 iam pater Aeneas et iam Troiana iuventus  
 conveniunt, stratoque super discumbitur ostro.

1. Parse (a) *solvuntur, tendens, refert, quis, moenibus, contigit, jacet, volvit* ;  
 (b) *paret, gaudens, fotum, tollit, complectitur, strato*.
2. *Mene—potuisse*. Explain the construction.
3. Write notes on *Aeacidae, Hector, Iuli, Idaliae, Tyriis*.

### LATIN GRAMMAR AND COMPOSITION—Pass.

PROFESSOR FLETCHER (QUEEN'S).

#### I.

1. Give a list of the principal feminine terminations of the third declension.
2. Write down the gen. sing. and the dat. plur. of *dea, deus, nomen, nox, senex, vis, domus, respublica*.
3. Distinguish the meaning of *copia, littera, finis, rostrum, sal*, in the singular and plural respectively.
4. Give the degrees of comparison of *acer, facilis, parvus, multus, superus*.
5. Parse and translate *eamus, prodest, nollet, fiat, capiere, teget, feriat*.
6. Write down the

3 sing. impf. subj. of *sto*.  
 3 plur. pf. ind. of *veto*.  
 3 sing. fut. ind. of *pendeo*.  
 3 plur. pf. subj. of *soleo*.

2 sing. imperat. pass. of *mitto*.

3 pl. pf. ind. act. of *jacio*.

7. Give the principal parts of *audeo*, *quaero*, *torqueo*, *cado*, *caedo*, *vivo*, *vinco*, *veneo*, *queror*.

## II.

Translate into Latin :

(a) Will they never understand that our general has returned to the camp?

(b) They persuaded him to spare the vanquished, and asked him not to butcher women and children.

(c) I am afraid that nothing will ever prevent him from making the same mistake.

(d) Do not think that he will forget how much you injured him in his boyhood.

(e) The government had ascertained the number and position of the enemy, but did not suspect the magnitude of the danger.

## LATIN—Honors.

### PROFESSOR BOYS (TRINITY).

N.B.—Seventy-five per cent. on this paper will count as full marks.

#### I. Horace, Odes, B. III., IV., 24-40.

Translate :

Vester, Camenae, vester in arduos  
Tollor Sabinos, seu mihi frigidum  
Praeneste seu Tibur supinum  
Seu liquidae placuere Baiae.

Vestris amicum fontibus et choris  
Non me Philippis versa acies retro,  
Devota non extinxit arbos,  
Nec Sicula Palinurus unda.

Vtcunque mecum vos eritis, libens  
Insanientem navita Bosphorum  
Temptabo et urentes arenas  
Litoris Assyrii viator ;

Visam Brittanos hospitibus feros  
Et laetum equino sanguine Concanum ;  
Visam pharetratos Gelonos  
Et Scythicum inviolatus amnem.

Vos Caesarem altum, militia simul  
Fessas cohortes abdidit oppidis,  
Finire quaerentem labores,  
Pierio recreatis antro.



Write explanatory notes on the following:—*Paene delevit urbem Dacus et Aethiops. Infecit aequor sanguine Punico. Cantaber sera domitus catena. Penelopen difficilem procis. Movit Amphion lapides canendo.*

## II. Horace, Odes, B. III., XXI.

Translate :

O nata mecum consule Manlio,  
Seu tu querellas sive geris iocos  
Seu rixam et insanos amores  
Seu facilem, pia testa, somnum,

Quocumque lectum nomine Massicum  
Servas, moveri digna bono die,  
Descende, Corvino iubente  
Promere languidiora vina.

Non ille, quanquam Socraticis madet  
Sermonibus, te neglegit horridus :  
Narratur et prisca Catonis  
Saepe mero caluisse virtus.

Tu lene tormentum ingenio admoves  
Plerumque duro ; tu sapientium  
Curas et arcanum iocosum  
Consilium regeis Lyaeo ;

Tu spem reducis mentibus anxiiis  
Viresque, et addis cornua pauperi  
Post te neque iratos trementi  
Regum apices neque militum arma.

Te Liber, et si laeta aderit Venus  
Segnesque nodum solvere Gratiae  
Vivaeque producent lucernae,  
Dum rediens fugat astra Phoebus.

Write explanatory notes on the following:—*Danae puellae. Genius. Codrus pro patria non timidus mori. Nata mecum consule Manlio. Telegoni juga parricidae.*

## III. Livy, B. XXII., Ch. 14.

Translate :

Ut Vero ad Vulturnum flumen castra sunt posita, exurebaturque amoenissimus Italiae ager, villaeque passim incendiis fumabant, per juga Massici montis Fabio ducente, tum prope de integro seditio accensa : quiverant enim per paucos dies ; quia quum celerius solito ductum agmen fuisset, festinari ad prohibendam populationibus Campaniam crediderant. Ut vero in extrema juga Massici montis ventum est hostesque sub oculis erant, Falerni agri colonorumque Sinuessae tecta urentes, nec ulla erat mentio pugnae. Spectatumne huc, inquit Minucius, ut rem fruentam oculis, sociorum caedes et incendia venimus ? nec si

nullius alterius nos, ne civium quidem horum pudet, quos Sinuessam colonos patres nostri miserunt, ut ab Samnite hoste tuta haec ora esset: quam nunc non vicinus Samnis urit, sed Poenus advena, ab extremis orbis terrarum terminis, nostra cunctatione et socordia, jam huc progressus. Tantum pro! degeneramus a parentibus nostris, ut, praeter quam oram illi Punicas vagari classes dedecus esse imperii sui duxerint, eam nos nunc plenam hostium Numidarumque ac Maurorum jam factam videamus? Qui modo, Saguntum obpugnari indignando, non homines tantum, sed foedera et Deos, ciebamus, scandentem moenia Romanae coloniae Hannibalem lenti spectamus.

Write notes on *Latinae feriae, Pulvinaria, Latinum nomen, Sibyllini libri, Collegium pontificum, Augures, Praetor, Clades Aliensis, Deminutus capite.*

#### IV. Livy, B. XXII., Ch. 42.

Translate:

Quae ad deterrendos a cupiditate animos nunciata erant, ea accenderunt; et, clamore orto a militibus, ni signum detur, sine ducibus ituros, haudquaquam dux defuit: nam extemplo Varro signum dedit proficiscendi. Paullus, quum ei sua sponte cunctanti pulli quoque auspicio non addixissent, obnunciari jam efferenti porta signa collegae jussit: quod quamquam Varro aegre est passus, Flamini tamen recens casus, Claudiique consulis primo Punico bello memorata navalis clades, religionem animo incussit. Dii prope ipsi eo die magis distulere, quam prohibere, iminentem pestem Romanis: nam forte ita evenit, ut, quum referri signa in castra jubenti consuli milites non parerent, servi duo, Formiani unus, alter Sidicini equitis, qui, Servilio atque Atilio consulibus, inter pabulatores excepti a Numidis fuerant, profugerent eo die ad dominos: qui deducti ad consules nunciant, omnem exercitum Hannibalis trans proximos montes sedere in insidiis. Horum opportunus adventus consules imperii potentes fecit, quum ambitio alterius suam primum apud eos prava indulgentia majestatem solvisset.

Give the geographical situations of the following: *Praeneste, Antium, Arretium, Arnus, Faesulae, Arpi, Beneventum, Massicus mons, Lilybaeum, Formiae, Venusia.*

#### V. Livy, B. XXIV., Ch. 17.

Translate at sight:

C. Claudium Neronem cum robore equitum silentio noctis per aversam maxime ab hoste portam emittit: circumvectumque occulte subsequi sensim agmen hostium jubet, et, quum coortum prelium videret, ab tergo se objicere. Id errore viarum, an exiguitate temporis, Nero exsequi non poterit incertum est. Absente eo quum prelium commissum esset, superior quidem haud dubie Romanus erat: sed, quia equites non adfuerunt in tempore, ratio compositae rei turbata est: non ausus insequi cedentes Marcellus, vincentibus suis signum receptui dedit. Plus tamen duo millia hostium eo die cesa traduntur: Romani minus quadringentis. Solis fere occasu Nero, diem noctemque nequidquam fatigatis equis hominibusque, ne viso quidem hoste rediens, adeo graviter est ab consule increpitus, ut per eum stetisse diceret, quo minus accepta ad Cannas

redderetur hosti clades. Postero die Romanus in aciem descendit: Pœnus, tacita etiam confessione victus, castris se tenuit. Tertio die silentio noctis, omissa spe Nolæ potiundæ, rei numquam prospere tentatæ, Tarentum ad certiore spem proditiōnis proficiscitur.

### LATIN AND GREEK GRAMMAR—Honors.

#### PROFESSOR BOYS (TRINITY).

1. State, with significations, the cases governed by *coram, juxta, sub, citra, super, post, prae*.
2. Mention, with examples, six uses of the ablative case.
3. In how many ways, besides *ut* with the subjunctive, can an object or purpose be expressed?
4. Give rules for use of subjunctive mood with *qui* (relative), *dum, quum, quia*.
5. State the constructions, or cases, used with the following: *statuo, consulo, potior, indulgeo, parco, pugno, misereor, interest, dono, adjuvo, praevengo, obruo*.
6. When does a relative clause depending upon a subjunctive mood or accusative with infinitive require the indicative mood.
7. How is the deficiency of active past participles supplied in Latin?
8. Translate accurately :

*Si hoc dicas, erres.*

*Si hoc diceres, errares.*

*Si hoc dixisses erravisses.*

9. What conjunctions introduce final clauses in Greek? State when they require the optative and when the conjunctive, and what they express with past tenses of the indicative.
10. Enumerate the various uses of *ἄν* with the optative mood.
11. Give the various forces of the imperfect tense.
12. What other ways, besides the imperative mood, are there of expressing a command or exhortation?
13. Give, with the principal meanings, the prepositions that govern only one case.
14. What case besides the genitive is used absolutely? When is it required, and when admissible?
15. In what cases do relative clauses take the negative *μή*?
16. Give the constructions or cases used with the following words: *χρησθαι, κελεύειν, βοηθεῖν, ἀπατεῖν, μέλειν, πειρᾶσθαι, πολεμεῖν, ἐνεκα, ἀπιστεῖν, αἰτιάσθαι, συνίναί.*

## LATIN AND GREEK COMPOSITION—Honors.

PROFESSOR FLETCHER (QUEEN'S).

## I.

Translate into Latin :

(a) By conquering the enemies of his country in the field and by relieving the poor at home, he gained greater glory than any of his predecessors.

(b) After the Romans had attacked the citadel for some hours, the barbarians surrendered.

(c) If any one were to make this request of you, he would be justly ridiculed.

(d) Instead of starting for home on the 3rd of July, he remained in the beautiful city of Naples till August 3rd.

(e) He answered that they had not as yet learned to sacrifice their own interests to those of their country. Let them remember how much she expected from them (*or obl.*).

## II.

Translate into Greek :

(a) Do not think that you are better than your fathers.

(b) They answered that they would retire (*ἀναχωρῶ*) with the army to Sparta on the third day.

(c) If the enemy do not do this, we shall deprive them of their ships.

(d) When the ambassadors had made this answer, the king asked them how many talents they had brought.

(e) O! that they had known that the judge would condemn this man to death.

## GREEK—Pass.

PROFESSOR BOYS (TRINITY).

## I. Xenophon, Anab., Bk. I., Ch. VII., §§ 5-8.

Translate:

Ἐνταῦθα Γαυλίτης παρὼν φηγᾶς Σάμιος, πιστὸς δὲ Κίρῳ, εἶπε, Καὶ μὴν, ὦ Κίρῃ, λέγουσι τινες ὅτι πολλὰ ὑπισχεῖται νῦν διὰ τὸ ἐν τοιοῦτῳ εἶναι τοῦ κενδύου προσιόντος, ἂν δὲ εὖ γένηται τι, οὐ μεμνήσεσθαι σέ φασιν· ἐνοι δὲ οὐδ' εἰ μεμνήθῃ τε καὶ βοήθειο δύνασθαι ἂν ἀποδοῖναι ὅσα ὑπισχεῖται. ἀκούσας ταῦτα ἔλεξεν ὁ Κίρως, Ἄλλ' ἔστι μὲν ἡμῖν, ὦ ἄνδρες, ἡ ἀρχὴ ἢ πατρίδα πρὸς μὲν μεσημβρίαν μέχρι οὐ διὰ καῖμα οὐ δύνανται οἰκεῖν ἄνθρωποι, πρὸς δὲ ἄρκτον μέχρι οὐ διὰ χειμῶνα· τὰ δ' ἐν μέσῳ τούτων πάντα στραταπειούσιν οἱ τοῦ ἐμοῦ ἀδελφοῦ φίλοι, ἦν δ' ἡμεῖς νικήσωμεν, ἡμᾶς δεῖ τοῖς ἡμετέροις φίλοις τούτων ἐγκρατεῖς ποιῆσαι. ὥστε οὐ τοῦτο δέδοικα μὴ οἶκ ἔχω ὃ, τι δὴ ἐκάστῳ τῶν φίλων, ἂν εὖ γένηται, ἀλλά μὴ οἶκ ἔχω ἰκανοῖς οἷς δῶ. ἡμῶν δὲ τῶν Ἑλλήνων καὶ στέφανον ἐκάστῳ χρυσοῖν δῶσω. οἱ δὲ ταῦτα ἀκούσαντες αὐτοὶ τε ἦσαν πολλὸν προθυμότεροι καὶ τοῖς ἄλλοις ἐξηγγέλλον. εἰσέβησαν δὲ παρ' αὐτὸν οἱ τε στρατηγοὶ καὶ τῶν ἄλλων Ἑλλήνων τινὲς ἀξιοῦντες εἰδέναι τι σφίσιν ἔσται, εἰ ἂν κρατήσωσιν. ὃ δὲ ἐμπιπλὰς ἀπάντων τὴν γνώμην ἀπέπεμπε.

1. Parse *προσίοντος, μεμνήσθαι, κηίρωμεν, ἀκούσαντες, εἰσέσαν, ἐμπιπλάς*
2. Translate the following expressions and give rules for the cases of the marked words:—\**Κρανῆ πολλῇ ἐπίασιν. τῷ ἀνδρὶ \*φί ἂν ἐλθσθε πείσομαι. ἐπὶ τῶν Χάλων ποταμῶν ὄντα τὸ \*εἶρος \*πλέθρον. τῶν ἄλλων πλέον προτιμήσεσθε \*στρατωτῶν. ἐνταῦθα ἦσαν κῶμαι μεστὰ \*σίτου.*
3. State what parts the following are of the several verbs:—*εἶης, ἴστω, οὔσαις, ἐλυσάμεθα, λυθῆτω, λυοίτην, εἰδίδουσαν, τεθῆναι, ἰωμεν, ἐβησαν, ἦσθετο, εἰλήφασαι.*
4. Parse *γαρίεντας, μελαίνης, ἀνδρασι, εἰνούστεροι, οὓς τινας, γάλακτος.*

## II. Homer, Iliad, Bk. IV., 364-381.

Translate:

\*Ὡς εἰπὼν τοὺς μὲν λίπεν αἰτοῦ, βῆ δὲ μετ' ἄλλους.

εἶρε δὲ Τυδείος υἱὸν, ἠπέρθημιον Διομήδεα.

ἔσταθ' ἐν ᾧ ἵπποισι καὶ ἄρμασι κολλητοῖσιν

πάρ δέ οἱ ἐστήκει Σθένελος, Καπανθίος υἱός.

καὶ τὸν μὲν νεῖκεσσαν ἰδὼν κρείων Ἀγαμέμνων,

καὶ μιν φωνήσας ἔπεα πτερόεμετα προσήδα·

„ὦ μοι, Τυδῆος υἱὲ δαιφρονος ἱπποδάμοι,

τί πτώσσεις, τί δ' ὀπιπτεύεις πολέμοιο γεφύρας;

οὐ μὲν Τυδεΐ γ' ὦδε φίλον πτωσκαζέμεν ἦεν,

ἀλλὰ πολὺ πρὸ φίλων ἐτάρων δήοισι μάχεσθαι,

ὡς φάσαν οἱ μιν ἰδοντο πονεύεμενον· οὐ γὰρ ἔγωγε

ἐντης' οὐδὲ ἰδον· περὶ δ' ἄλλων φασὶ γενέσθαι.

ἦτοι μὲν γὰρ ἄτερ πολέμου εἰσῆλθε Μικῆρας

ξείνος ἄμ' ἀντιθέω Πολυννεΐκει, λαὸν ἀγέρον,

οἳ ῥα τότ' ἐστρατώνθ' ἱερὰ πρὸς τείχεα Θήβης·

καὶ ῥα μάλα λίσσοντο δόρμεν κλειτοὺς ἐπικούρους.

οἱ δ' ἐθέλον δόρμεναι καὶ ἐπήνεον ὡς ἐκέλευον·

ἀλλὰ Ζεὺς ἔτρεψε παραΐσια σήματα φαίνον.

1. Give Attic forms for *ὄψεαι, ὄχεσφι, ὀτρύνεμεν, ἐμπεςε, εἶπεσσκιν.*
2. Derive *ἀγλαός, κελαινεφές, ἀμίμων.*

## GREEK—Honors.

PROFESSOR FLETCHER (QUEEN'S).

## I. Demosthenes, Olynthiac, II., §§ 6, 7.

Translate:

Ἐγὼ γὰρ, ὦ ἄνδρες Ἀθηναῖοι, σφόδρ' ἂν ἠγοῦμαι καὶ αὐτοὺς φοβερὸν τὸν Φίλιππον καὶ θανασιπτόν, εἰ τὰ δίκαια πράττονται ἑώρων ἠνδραγαθῶν· νῦν δὲ θεωρῶν καὶ σκοπῶν εὐρίσκω τὴν μὲν ἡμετέραν εὐχθειαν τὸ κατ' ἀρχαίς, ὅτε Ὀλυνθίους ἀπὸ γαλλῶν τινες ἐνθένδε βουλομένους ἔμιν διαλεχθῆναι, τῷ τὴν Ἀμφίπολιν φάσκεν παραδόντων καὶ τὸ θρυλοῦμένον ποτε ἀπόρρητον ἐκεῖνο κατασκευάσαι, τοῦτω προσαγαζόμενον, τὴν δ' Ὀλυνθίων φίλων μετὰ ταῦτα τῷ Ποτίδαιαν οὔσαν ἡμετέραν ἐξελεῖν καὶ τοὺς μὲν πρότερον συμμαχοῦς ἡμᾶς ἀδικῆσαι, παραδόντων δ' ἐκείνους, Θεσσαλοὺς δὲ νῦν τὰ τελευταία τῷ Μαγνησίαν παραδόντων ἐποσχέσθαι καὶ τὸν Φοικικὸν πόλεμον ὑπὲρ αὐτῶν πολεμήσαν ἀναδέξασθαι.

1. Parse *ἑάρων*, *ἠξήμενον*, *ἔξελειν*, *ὑποσχέσθαι*.
2. Explain the syntax of *ἡγούμην*, *τῷ*, *φάσκεν παραδώσειν*, *τρίτῳ*, *προσαγόμενον*.
3. *Διαλεχθῆναι*. What peculiarity in the form? Give other examples.
4. Write brief notes on the historical allusions in the extract.

### II. Demosthenes, Olynthiac, III., §§ 10, 11.

Translate:

Ἄλλ' ὅτι μὲν δὴ δεῖ βοηθεῖν, εἰποῖ τις ἄν, πάντες ἐγνώκαμεν, καὶ βοηθήσομεν· τὸ δὲ ὅπως, τοῦτο λέγε. μὴ τοῖνυν, ὡ ἀνδρες Ἀθηναῖοι, θανμάσητε, ἂν παράδοξον εἰπω τῆ τοῖς πόλλοις νομοθέτας καθίστατε. ἐν δὲ τοῖτοις τοῖς νομοθέταις μὴ θῆσθε νόμον μὴδένα (εἰσὶ γὰρ ἰκανοὶ ὑμῖν), ἀλλὰ τοὺς εἰς τὸ παρὸν βλάπτοντας ὑμᾶς λύσατε. λέγω δὲ τοὺς περὶ τῶν θεωρικῶν σαφῶς οὕτως, καὶ τοὺς περὶ τῶν στρατευομένων ἐνίου, ὧν οἱ μὲν τὰ στρατιωτικὰ τοῖς οἰκοῖ μένουσι διανέμουσι θεωρικὰ, οἱ δὲ τοὺς ἀτακτοῦντας ἀθῶνως καθιστᾶσιν, εἴτα καὶ τοὺς τὰ δέοντα ποιεῖν βουλομένους ἀθυμοτέρους ποιοῦσιν.

1. Parse *ἐγνώκαμεν*, *καθίστατε*, *παρὸν*, *μένουσι*.
2. Explain the syntax of *εἰποῖ*, *θανμάσητε*, *εἰπω*, *θῆσθε*, *μὴδένα*.
3. Τὸ δὲ ὅπως. Supply the ellipse.
4. Give some account of the Theoric Fund.

### III. Homer, Odyssey, VI., 258-267.

Translate:

Ἄλλα μάλ' ὧδ' ἔρδειν· δοκέεις δὲ μοι οὐκ ἀπινύσσειν  
 ὄφρ' ἂν μὲν κ' ἄγροὺς ἴομεν καὶ ἔργ' ἀνθρώπων,  
 τόφρα σὺν ἄμφιπόλοισι μεθ' ἡμίονους καὶ ἄμαξαν  
 καρπαλίμως ἐρχέσθαι· ἐγὼ δ' ὄδον ἠγεμονίῃσω.  
 αὐτὰρ ἐπὴν πόλιος ἐπιβείομεν ἦν περὶ πύργου  
 ὑψηλός, καλὸς δὲ λιμὴν ἐκάτερθε πόλλος,  
 λεπτή δ' εἰσίδμη· νῆες δ' ὄδον ἄμφιέ γισσαι  
 εἰρίσται· πᾶσιν γὰρ ἐπιστίων ἔστιν ἐκάστω.  
 ἐνθα δὲ τέ σφ' ἀγορή, καλὸν Πρωτόδηιον ἄμφι,  
 ῥυτοῖσιν λάεσαι κατωρχέεσσ' ἀραρυῖα.

1. Parse *εἰρίσται*, *ἀραρυῖα*, and derive *ὧδ'*, *εἰσίδμη*, *ἀμφιέλισσαι*, *ῥυτοῖσιν κατωρχέεσσ'*.
2. Give Attic forms for *κ'*, *ἐπιβείομεν*, *πόλλος*, *σφ'*, *λάεσαι*.
3. Write notes on the syntax of *ἔρδειν*, *ὄφρ' ἂν κ' ἄγροὺς ἴομεν*, *πόλλος*, *ἦν*, *ὄδον*.

### IV. Xenophon, Anab., Bk. VII., Ch. I., §§ 18-21.

Translate at sight:

Ὅ δὲ Ξενοφῶν ὡς εἶδε τὰ γινόμενα, δέιας μὲν ἐφ' ἀρπαγῆν τράποιτο τὸ στράτευμα καὶ ἀνήκεστα κακὰ γένοιτο τῇ πόλει καὶ ἑαυτῷ καὶ τοῖς στρατιώταις, εἴθει καὶ συνεισπίπτει εἰσο τῶν πύλων σὺν τῷ ὄχλῳ. οἱ δὲ Βυζάντιοι ὡς εἶδον τὸ στράτευμα βίη εἰσπίπτου, φείγουσιν ἐκ τῆς ἀγοῖας, οἱ μὲν εἰς τὰ πλοῖα, οἱ δὲ οἰκαδε, ὅσοι δὲ ἐνδον ἐτύχχανον δυτες, ἔξω, οἱ δὲ καθείλκον τὰς τριήρεις, ὡς ἐν ταῖς τριήρεσι σώζονται, πάντες δὲ φόντο ἀπολωλένα, ὡς ἐυλωκίας τῆς πόλεως. οἱ δὲ στρατιῶται ὡς εἶδον Ξενοφῶντα, προσπίπτουσι πολλοὶ αὐτῷ καὶ λέγουσι, Νῦν σοι ἐξεστίν, ὦ Ξενοφῶν, ἀνδρὶ γενέσθαι. ἔχεις πόλιν, ἔχεις τριήρεις, ἔχεις χρήματα, ἔχεις ἄνδρας τοσοῦτους. νῦν ἂν, εἰ βούλοιο, σὺ τε ἡμᾶς ἰνῆσαι καὶ ἡμεῖς σὲ μέγαν ποιήσαιμεν.

## ARITHMETIC—Pass.

PROFESSOR BAIN (VICTORIA).

1. A man owns  $\frac{27}{100}$  of a certain patent. He sells  $\frac{416}{1000}$  of his share for \$3240. What is the value of the patent?

2. Find the value of

$$1.26 \div .57 \times 2.3 \div 1.01 + \frac{15.793}{7.107} \div 1\frac{1}{9}$$

3. Divide \$12.46 among A, B, C and D, so that A's share may be  $\frac{3}{10}$  of D's, C's share  $\frac{1}{5}$  of A's, and B's share the sum of A's and C's.

4. If 125 men dig a trench 100 yds. long, 20 yds. wide and 4 ft. deep, in 4 days, working 12 hours a day; how many men will be needed to dig one 500 yds. long, 8 yds. wide and 6 ft. deep, in 3 days, working  $7\frac{1}{2}$  hours a day?

5. A man left  $\frac{1}{2}$  of his estate to one of his sons, and 50 per cent. of the remainder to another, and the rest of the estate to his widow; the difference of his sons' legacies was \$783, how much did his widow receive?

6. Find the true discount on a note of \$259.05, due 4 years hence at  $2\frac{1}{2}$  per cent. per annum.

7. The discount on a certain sum due 2 years hence is \$300 and the interest on the same sum for 2 years is \$342, find the sum and the rate per cent. per annum.

8. The area of a rhombus is 990 sq. yds., and the length of one of its diagonals is 55 yds.; find the other diagonal.

9. The cost of fencing a circular plot of ground at \$1.25 a yd. was \$715.00; find the length of a straight path running from side to side through the centre.

10. The pressure of wind on a plane surface varies jointly as the area of the surface and the square of the wind's velocity; if the pressure on a square foot is 1 lb. when the wind has a velocity of 15 miles per hour, find the pressure on a square yard when the wind is moving with the velocity of 75 miles per hour.

## GEOMETRY—Pass.

REV. PROFESSOR JONES, M.A. (TRINITY).

NOTE.—The questions marked with an asterisk are extras. The symbol \* must not be used.

1. Define parallel straight lines, and state all the tests of the parallelism of two straight lines established by Euclid in Propositions of the First Book.

2. If from the ends of a side of a triangle two straight lines be drawn to a point within the triangle, these shall be less than the other two sides of the triangle, but shall contain a greater angle.

3. (a) Triangles on equal bases, and between the same parallels, are equal to one another.

- (b)  $D$  and  $E$  are the middle points of  $AC$ ,  $AB$  sides of the triangle  $ABC$ ;  $BD$ ,  $CE$  intersect in  $F$ ; prove that the quadrilateral  $ADFE$  is one-third of the triangle  $ABC$ .
4. (a) The square described on the hypotenuse of a right angled triangle is equal to the sum of the squares described on the sides.  
 (b) If equilateral triangles  $PBC$ ,  $QCA$ ,  $RAB$  be described outwardly on the sides of any triangle  $ABC$ , the three straight lines  $AP$ ,  $BQ$ ,  $CR$  shall be equal to one another.
5. (a) If a straight line be divided into two equal, and also into two unequal parts, the squares on the two unequal parts are together double of the square on half the line, and of the square on the line between the points of section.  
 (b) Prove that the following construction will divide a line  $AB$  in  $F$  so that the square on  $AF$  will be double of the square on  $FB$ : produce  $AB$  to  $C$  making  $BC$  equal to  $AB$ , on  $BC$  describe a square  $BDEC$ , join  $CD$  and from  $CA$  cut off  $CF=CD$ .
6. (a) Divide a straight line  $XY$  into two parts in  $Z$  so that the rectangle  $XY$ ,  $YZ$  shall be equal to the square on  $XZ$ .  
 \* (b) If  $XABY$ ,  $XDCZ$  be the squares in your construction, show that the square on  $CB$  is double the squares on  $XY$ ,  $XZ$ , and that the square on  $ZB$  is three times the square on  $XZ$ .
7. Draw a line to touch a circle from a point without the circle.
8. (a) The longest and the shortest lines drawn from a point without a circle to meet the circle are those intercepted between the point and the circle on the line passing through the centre of the circle.  
 (b) Two circles do not meet; show that the longest and the shortest lines joining a point on one circle with a point on the other will pass, produced if necessary, through the centres of both circles.
9. If a line touch a circle, and from the point of contact a line be drawn cutting the circle, the angles which this line makes with the touching line shall be equal to the angles in the alternate segments of the circle.
10. \* Prove that the three lines  $AP$ ,  $BQ$ ,  $CR$  in question 4 (b) pass through a common point.

### GEOMETRY—Honors.

PROFESSOR DUPUIS, M.A. (QUEEN'S).

75 per cent. will be counted a full paper.

1. Any two sides of a triangle are together greater than the third, and the difference between any two sides is less than the third. (Euc. I., 20.) (Prove.)

If a point be taken on the line bisecting the vertical angle of a triangle, the difference of the lines joining it to the end-points of the base is less than the difference of the



sides of the triangle, unless the triangle be isosceles.  
(Prove.)

What does this rider become when the point is without the triangle on the line bisecting the vertical angle externally?

2. With what does Euclid's Second Book deal? Point out any connection between props. 1, 2 and 3—between props. 5 and 6—between props. 9 and 10.

Where is the construction of prop. 11 turned to any purpose outside of the Second Book?

Show what modification of Euclid's construction in the 11th will divide a line into extreme and mean ratio externally.

3. Two circles touch in only one point, and the line joining their centres passes through it. (Euc. III., 11, 13.) (Prove.)

Find a circle with a given radius which shall touch a given line and a given circle.

4. In equal circles angles, at the centre or at the circumference, which stand upon equal arcs are equal. (Prove)

$ABC$  is a circle, and  $O$  the common point in the three perpendiculars from the vertices to the opposite sides (the orthocentre); then the circles described about the triangles  $ABC$ ,  $AOB$ ,  $BOC$ , and  $COA$  are all equal. (Prove.)

5. Describe a circle in a triangle. (Euc. IV., 4.)

If  $ABC$  be the triangle, and the circle touches  $AB$  in  $Z$ ,  $BC$  in  $X$ , and  $CA$  in  $Y$ , show that  $AZ$ ,  $BZ$ ,  $CX$  are respectively equal to  $s - a$ ,  $s - b$  and  $s - c$ , where  $2s = a + b + c$ .

6. Give Euclid's definition of the proportionality of four magnitudes (Euc. V., 5), and apply it to determine if the numbers 4, 7, 13 and 23 are in proportion.

What are the four magnitudes considered, and what is their order in prop. 1 of Bk. VI.?

7. If the line  $BD$  bisects the angle  $B$  of the triangle  $ABC$ , and cuts the base,  $AC$ , in  $D$ ,

$$AD : DC = AB : BC.$$

—(Euc. VI., 3.) (Prove.)

Prop. A was added by Dr. Simson as a completion of prop. 3. What relation holds between them?

$AB$  is the diameter of a circle with centre  $C$ ,  $P$  is any point on the circle, and  $U$  and  $V$  are taken on  $AB$ , and  $AB$  produced so that

$$CU.CV = CB^2$$

Show that in the triangle  $UPV$  the angle  $P$  is bisected internally and externally by  $PB$  and  $PA$ .

8. The areas of similar triangles are as the areas of the squares described on homologous sides. (Euc. I., 19.) (Prove.)

Show that in this proposition "rectilinear figures" may be substituted for "triangles."

Obtain a construction for dividing a given triangle into three equal parts by lines parallel to the base.

9.  $ABC$  is a triangle, and  $O$  any point in its circumscribing circle, and  $OX$ ,  $OY$ ,  $OZ$  are perpendiculars upon the sides  $BC$ ,  $CA$  and  $AY$  respectively.

Prove that  $X$ ,  $Y$ ,  $Z$  are in line (Simson's line).

### ALGEBRA—Pass.

PROFESSOR DUPUIS (QUEEN'S).

1. Multiply out

$$(1) (x^4 + 16y^4)(x^2 + 4y^2)(x + 2y)(x - 2y);$$

$$(2) (x - \sqrt{x+1})(x + \sqrt{x+1})(x^2 + x + 1).$$

2. The sum of the squares of any three numbers, and of the squares of the differences between each one and the sum of the other two, is equal to the difference between four times the sum of the squares of the numbers, and twice the sum of their products two and two.

3. Divide

$$(1) 1 + x - 8x^2 + 19x^3 - 15x^4 \text{ by } 1 + 3x - 5x^2,$$

$$(2) a^2(b+c) - b^2(c+a) + c^2(a+b) + abc \text{ by } a - b + c.$$

4. If one number exceeds unity by as much as another falls short of it, the sum of the squares of the numbers is equal to twice the difference between their sum and their product.

5. Put into linear factors the expressions,

$$(1) x^2 - 4x - 77;$$

$$(2) 6x^2 - 5xy - 6y^2;$$

$$(3) ab^2 - a^2b + bc^2 - b^2c + ca^2 - c^2a;$$

$$(4) 4a^2b^2 - (a^2 + b^2 + c^2)^2.$$

6. If an even power of a number be diminished by 1, and an odd power of the same number be increased by 1, prove that the results have a common factor, and find it.

7. Reduce to simplest form,

$$(1) \frac{x^2 + \frac{5}{2}xy + y^2}{x^2 + \frac{3}{2}xy - y^2}$$

$$(2) \frac{1}{\left(\frac{a}{b}-1\right)\left(\frac{a}{c}-1\right)} + \frac{1}{\left(\frac{b}{c}-1\right)\left(\frac{b}{a}-1\right)} + \frac{1}{\left(\frac{c}{a}-1\right)\left(\frac{c}{b}-1\right)}$$

8. Find  $x$  from the equations,

$$(1) \frac{1}{2}(x-2) - \frac{1}{3}(x-3) + \frac{1}{4}(x-4) = 4.$$

$$(2) (x+a)^3 + (x+b)^3 + (x+c)^3 = 3(x+a)(x+b)(x+c);$$

$$(3) x(1+x) = (1+x)^2 - x.$$

9. If I lend a sum of money at 6 per cent., the interest for a certain time exceeds the loan by \$100; but if I lend it at the same rate for one-fourth of the time, the loan exceeds the interest by \$125. How much do I lend?

10. Given the equations,

$$\frac{x+y}{3} = x - (y+z) \quad \text{and} \quad \frac{2x-y}{3} = x + y - 11,$$

show by two different methods how to obtain an equation which shall contain  $x$  alone or  $y$  alone.

If  $x$  has the same value in the equations,

$$ax^2 + bx + c = 0 \quad \text{and} \quad a_1x^2 + b_1x + c_1 = 0,$$

show that  $(ab_1 - a_1b)(bc_1 - b_1c) = (ac_1 - a_1c)^2$ .

11. What is a quadratic equation and what is meant by its "roots"?

Show that  $\frac{1}{2}$  and  $\frac{1}{3}$  are roots of  $6x^2 - 5x + 1 = 0$ .

12. Solve the equations,

$$(1) 26x + 21 - 11x^2 = 0;$$

$$(2) ax^2 + 2bx + c = 0.$$

In the latter equation show that the roots are real and unequal, equal, or imaginary, according as  $b^2$  is greater than, equal to, or less than,  $ac$ .

13. Divide 40 into two parts such that the sum of their squares may be 750. Explain your result.

## ALGEBRA—Honors.

PROFESSOR BAIN (VICTORIA).

75 per cent. counts a full paper.

1. Show that  $(x+a)(x+2a)(x+3a)(x+4a)+a^4$  is a perfect square, and express its square root when  $x^2+5a^2=5ax$ .

2. If  $\frac{bz-cy}{b-c} = \frac{cx-az}{c-a}$ , then will each equal  $\frac{ay-bx}{a-b}$  and

$$a(y-z)+b(z-x)+c(x-y)=0.$$

3. Solve the equation,  $(x-5)(x-1)(x+3)(x+7)=228$ . Point out the characteristics of the roots you obtain, and show clearly on what these characteristics depend.

4. If  $\alpha$  and  $\beta$  be the roots of the equation,  $ax^2+bx+c=0$ , and  $\gamma$  and  $\delta$  be the roots of the equation,  $cy^2+by+a=0$ , then will

$$\frac{(\alpha+\beta)^2}{(\gamma+\delta)^2} = \sqrt{\frac{ac}{bd}}.$$

5. Solve the equation,  $x^4\left(1+\frac{1}{3x}\right)^2 - (3x^2+x) = 70$ .

6. Demonstrate the following:—

$$(\alpha) \sqrt{-a} \times \sqrt{-b} = -\sqrt{ab};$$

$$(\beta) \frac{x^{3a} \div x^{3a-1}}{x^{3a} \times x^{3a-1}} = x^{-2(3)^{a-1}};$$

$$(\gamma) \text{ If } x + \sqrt{2} = 5 + \sqrt{y}, \text{ then } x = 5, y = 2.$$

$$(\delta) \text{ If } (x+y)^2 > a, \text{ then } (x+y) > \sqrt{a} \text{ or } < -\sqrt{a}.$$

7. Show that the roots of the equation,  $x^2+px+q=0$ , will be rational if  $p = k + \frac{q}{k}$  when  $p$ ,  $q$  and  $k$  are rational quantities.

8. The number of combinations of  $n$  things, taken  $r$  together, is  $p$  times the number of combinations in which any specified thing occurs, and is  $q$  times the number of combinations in which any two specified things occur. Find  $n$  and  $r$  in terms of  $p$  and  $q$ .

9. If there are  $n+1$  terms of the form  $a, ar, ar^2, ar^3, \dots$ , and if  $p_1, p_2, p_3, \dots$  are the harmonic means between each successive pair of terms, find the sum of those means.

10. Deduce the formula for the summation of a G. P. Show the transformation required when the series is infinite in number of

terms and descending; then apply your result to finding the value of 8.532719719719....

11. Show that if  $S_n, S_{2n}, S_{3n}$  be the sum to  $n, 2n, 3n$  terms respectively of a G. P., then will  $S_n(S_{3n} - S_{2n}) = (S_{2n} - S_n)^2$ .

12. The coefficients of the fifth, sixth and seventh terms of the expansion of  $(1+x)^n$  are in A. P.; find  $n$ . Has  $n$  more than one possible value in this question?

### TRIGONOMETRY—Honors.

REV. PROFESSOR JONES, M.A. (TRINITY).

(NOTE.—Seventy-five per cent. of the value of this paper counts the maximum.)

1. What are the units in the centesimal, sexagesimal and circular measurements of an angle? Show that the last is a constant angle. The measures of the angles of a triangle, when referred to these units respectively, are in the ratio of  $120 : 144 : \pi$ ; express the angles in degrees.

2. Define the secant and cosecant of an angle, and prove from a figure that

$$\operatorname{cosec}^2 a = \frac{\sec^2 a}{\sec^2 a - 1}$$

3. Prove the formulas:

$$(i.) \tan \alpha = \frac{\sin \alpha}{\cos \alpha}$$

$$(ii.) \sin^2 \alpha + \cos^2 \alpha = 1.$$

$$(iii.) \cos(\alpha + \beta) = \cos \alpha \cos \beta - \sin \alpha \sin \beta,$$

and from these formulas deduce

$$(iv.) \tan(\alpha + \beta) = \frac{\tan \alpha + \tan \beta}{1 - \tan \alpha \tan \beta}.$$

4. Prove that

$$\sin A = \sin(180^\circ - A) \text{ and } \cos A = -\cos(180^\circ - A).$$

If in the triangle  $ABC$   $\tan A, \tan B, \tan C$  are in arithmetical progression, prove that  $\tan A \tan C = 3$ .

5. In any triangle  $ABC$  prove the following formulas:—

$$(i.) a = b \cos C + c \cos B,$$

$$(ii.) \cos A = \frac{b^2 + c^2 - a^2}{2bc},$$

and (iii.) show that the sides of the triangle formed by joining the feet of the perpendiculars of the first triangle are  $a \cos A$ ,  $b \cos B$ ,  $c \cos C$ .

6. Find the values of  $\cos 45^\circ$ ,  $\tan 60^\circ$ ,  $\cos 5^\circ 37' 30''$ , and prove that  $8 \sin 10^\circ \cdot \cos 20^\circ \cdot \cos 40^\circ = 1$ .

7. Prove that  $S$ , the area of the triangle  $ABC$ ,  $= \frac{1}{2} bc \sin A$ . If  $O$  be the centre of perpendiculars of the triangle, and  $OA = \alpha$ ,  $OB = \beta$ ,  $OC = \gamma$ , prove

$$(i.) S = \frac{1}{4} (a\alpha + b\beta + c\gamma),$$

$$(ii.) \frac{\alpha\beta}{ab} + \frac{\beta\gamma}{bc} + \frac{\gamma\alpha}{ca} = 1.$$

8. Find  $R$  the radius of the circumscribed circle of a triangle  $ABC$  in terms of the sides, and  $r$  the radius of the inscribed circle in terms of one side and three angles. If  $O$  be the centre of the latter circle, and  $R'$  the radius of the circle, circumscribing the triangle  $OBC$ , prove that

$$R' = 2R \sin \frac{A}{2}.$$

9. Show how to solve a triangle when the data are:

- (i.) The three sides;
- (ii.) Two sides and the difference of the opposite angles.

10. From three points,  $A$ ,  $B$ ,  $C$ , in a straight line the cotangents of the angles of elevation of a balloon are found to be  $\alpha$ ,  $\beta$ ,  $\gamma$  respectively; if  $BC = a$ ,  $CA = b$ ,  $AB = c$ , and  $h$  be the height of the balloon, prove that  $h^2(a\alpha^2 - b\beta^2 + c\gamma^2) = abc$ .

11. Solve the equation,

$$2 \cos \theta - \cos 2\theta = 2 \cos^2 \frac{\theta}{2}.$$

#### ENGLISH GRAMMAR—Pass.

PROFESSOR CLARK (TRINITY).

1. Explain *hyper*, *para*, *dia*, *par*, *pro*; and form words containing them.
2. When is a collective noun followed by a verb in the singular? Give two examples.
3. Criticise the following sentences:—

“Whom do they say that I am?”

“Than whom a better man does not exist.”

“Fairest of all her daughters!”

"If I were him, I might do as he does."

"I would like to see him."

4. Form derivations from the following Latin roots :--*frater, fugio, homo, juro, latus, locus.*
5. Classify the words in the following sentence :—  
 "The best proof of the completeness of the conquest of Britain by the Angles and Normans is the fact that their language superseded the old Celtic tongue."
6. What classes of words are respectively English and classical or Norman French? Give examples.
7. Analyze the following :—  
 "Reading maketh a full man; conference a ready man; and writing an exact man; and, therefore, if a man write little, he had need have a great memory; if he confer little, he had need have a present wit; and if he read little, he had need have much cunning to seem to know that he doth not."
8. Turn the above passage into more modern and familiar English.

#### ENGLISH COMPOSITION—Pass.

PROFESSOR CLARK (TRINITY).

1. Mention the principal characteristics of a good English style, and say how they are illustrated in the writings of Coleridge.
2. Give some account of the order of St. John.
3. Explain *casal, sea-coomb, Nix mangiare stairs, manchineel.*
4. Write an essay on one of the following subjects :—  
 (1) The principal features in the character of Sir Alexander Ball, as illustrated by his life and actions.  
 (2) Malta and the Maltese, with special reference to the conduct and treatment of the people under Sir Alexander Ball.

#### ENGLISH LITERATURE—Pass.

PROFESSOR REYNAR (VICTORIA).

1. What were Cowper's distinctive qualities and what his special work and his rank in our literature?
2. Give Cowper's account of his own life as contained in the passage, beginning—

"I was a stricken deer."

Give literal meaning of the figurative expressions used in the passage.

3. How does this work (The Task) differ from prose writing?
4. What comparisons does Cowper make between his own and earlier times as to virtue, honor, etc.? How should his judgments be qualified in all fairness?

5. "How then should I and any man that lives  
Be strangers to each other?"

After what famous classic original is this composed? Compare Cowper with earlier writers as to the use of classic allusions.

6. "But oh the important *budget*! ushered in  
With such *heart-shaking music*, who can say,  
What are its tidings? *Have our troops awaked?*  
. . . . .  
*Is India free?* . . . . .  
Or do we grind her still? The grand debate  
The popular harangue . . . . .  
. . . . . I long to know them all."

- (a) Write explanatory notes on passages in italics.  
(b) When was permission given to publish reports of debates in Parliament?

7. What does Cowper say of the world as it appears to a literary recluse? What defect of his character or constitution transpires in this passage and elsewhere in his writings? Compare him with Coleridge as to this incompleteness of character.

8. Write notes on the following passages, and state in what connection Cowper uses them:—

- (a) "The parallax of yonder luminous point."  
(b) "Laugh ye who boast your more mercurial powers."  
(c) "Those golden times  
And those Arcadian scenes that Maro sings."

### ENGLISH GRAMMAR—Honors.

PROFESSOR CLARK (TRINITY).

(Full marks will be given for 75 per cent. of this paper.)

1. To what family does the English language belong? Mention the other branches, and their mutual relations.
2. What other elements, besides the Anglo-Saxon, have entered into modern English, and what influence has the chief of them exercised on the inflection of the language, on its adaptation for poetry, and on the variety of its vocabulary?
3. Give the percentage of English and Norman-French to be found in some of our greatest English writers.
4. "But when the Christian *religion* was planted, and had taken *root*, and had filled all lands, then all the nature of things, the whole creation became servant to the kingdom of grace; and the *head* of the religion is also the head of all creatures, and *ministers* all the things of the world *in order* to the spirit of grace; and now 'angels are ministering spirits,' and all the *violences* of men, and things of nature and choice, are *forced* into *subjection* and lowest



ministries, and to co-operate as with an united design to verify all the promises of the gospel and to secure and *advantage* all the children of the kingdom."

- (1) Analyze the above paragraph.
- (2) Distinguish the words of English and those of classical origin.
- (3) Parse the words in italics, and give their derivations.
- (4) Point out any peculiarities of diction or construction.
- (5) Rewrite the passage in more modern English.
5. Form verbs from the following English nouns: *sympathy, friend, length, capture, analysis, shadow.*
6. Give the derivation of *elbow, annuity, choir, concave, idiom.*
7. Explain the uses of *Shall* and *Will* in categorical, interrogative, and indirect sentences.

### ENGLISH—Honors.

PROFESSOR CLARK (TRINITY).

(Full marks will be given for 75 per cent. of this paper.)

1. To what period of Shakespeare's life and work does the play of *Julius Cæsar* belong? Give reasons for your opinion; and mention other plays of the same period, and some of their characteristics.
2. What was the principal source from which Shakespeare drew the materials for *Julius Cæsar*? Mention some passages in the play which bear a close resemblance to the original source.
3. Upon what person in this play does Shakespeare apparently seek especially to fix attention? Give reasons for your answer.
4. By whom and in what connection are the following passages spoken:—
  - (1) "I have not from your eyes that gentleness  
And show of love as I was wont to have."
  - (2) "Let me have men about me that are fat."
  - (3) "It is the bright day that brings forth the adder,  
And that craves wary walking."
  - (4) "Between the acting of a dreadful thing  
And the first motion, all the interim is  
Like a phantasma or a hideous dream."
  - (5) "Cowards die many times before their deaths;  
The valiant never taste of death but once."
  - (6) "By heaven, I had rather coin my heart,  
And drop my blood for drachmas, than to wring  
From the hard hands of peasants their vile trash  
By any indirection."
  - (7) "There is a tide in the affairs of men,  
Which taken at the flood, leads on to fortune;  
Omitted, all the voyage of their life  
Is bound in shallows and in miseries."

Point out any peculiarities of expressions, archaisms, or figures of speech in the above passages, and give the usual forms.

5. "Friends, Romans, countrymen, lend me your ears."  
Write out the seventeen lines following the above, give an outline of the whole speech, point out its rhetorical merits, and contrast it with the speech previously delivered to the populace.
6. "This was the noblest Roman of them all."  
Write out the rest of this speech. Say by whom and of whom it was spoken. Show its consistency with the representations in other parts of the play.

### HISTORY AND GEOGRAPHY—Pass.

PROFESSOR REYNAR (VICTORIA).

1. Show by a genealogical chart how William III. was connected by descent and by marriage with the House of Stuart, and show also the link by which the House of Brunswick is connected with the Stuarts.
2. Compare in characters and deeds the elder and the younger Pitt. Give dates.
3. Trace the struggle of England with Napoleon up to the battle of Waterloo.
4. What led to the American war of 1812? How was Canada affected by it? By what treaty and on what terms was peace restored?
5. Tell the story of the subjugation of Greece by Rome and note the effect of Roman rule on the Greeks.
6. Give a sketch of Roman history between the murder of Cæsar and the death of Brutus.
7. Describe the situation of the Meander and the Eurotas, of Charybdis and Thermopylæ, of the Strophades and the Sporades.
8. Give names, boundaries, and extent of the Danubian principalities. Describe their political condition.
9. Make an outline map of Hudson Bay, and mark in place Hudson Strait, James' Bay, Southampton Island, Cape Esquimaux, Fort Churchill and Port Nelson.
10. Describe the great water-sheds of the United States, and name the States on the western slope of the Alleghany mountains.

### HISTORY AND GEOGRAPHY—Honors.

PROFESSOR REYNAR (VICTORIA).

1. Compare the Tudors and the Stuarts.
2. By what right did Elizabeth hold the throne of England? What was the claim of Mary Queen of Scots to the British throne?
3. Describe the ecclesiastical policy of James I.
4. Tell the story of the trial and execution of Charles I.
5. Name the British possessions in Africa apart from the Cape of Good Hope, and those in Asia apart from India.

6. What privileges were secured by treaty to French Canadians on the establishment of British rule?

7. How many members constitute the Parliament of the Dominion of Canada? How many are from each Province, and on what principle is the representation of the Provinces determined?

### FRENCH AUTHORS—Pass.

L. E. HORNING, B. A. (VICTORIA).

(Questions marked with an asterisk are over and above the full paper.)

#### I. Un Philosophe sous les toits, Ch. 6.

Translate into idiomatic English:—

La *Fête-Dieu* était alors un des grands événements de ma vie! Pour mériter d'y prendre part, il fallait longtemps d'avance se montrer laborieux et soumis. Je me rappelle encore avec quels ravissements d'espérance je me levais ce jour-là! Une sainte allégresse était dans l'air. Les voisins, éveillés plus tôt que de coutume, tendaient, le long de la rue, des draps parsemés de bouquets ou des tapisseries à personnages. J'allais de l'une à l'autre, admirant, tour à tour, les scènes de sainteté du moyen âge, les compositions mythologiques de la renaissance, les batailles antiques arrangées à la Louis XIV., et les bergeries de madame de Pompadour. Tout ce monde de fantômes semblait sortir de la poussière du passé pour venir assister, immobile et silencieux, à la sainte cérémonie. Je regardais, avec des alternatives d'effroi et d'émerveillement, ces terribles guerriers aux cimenterres toujours levés, ces belles chasseresses lançant une flèche qui ne partait jamais, et ces gardeurs de moutons en culottes de satin, toujours occupés à jouer de la flûte aux pieds de bergères éternellement souriantes. Parfois, lorsque le vent courait derrière ces tableaux mobiles, il me semblait que les personnages s'agitaient, et je m'attendais à les voir se détacher de la muraille pour prendre leur rang dans le cortège! Mais ces impressions étaient vagues et fugitives. Ce qui dominait tout le reste était une joie expansive et cependant tempérée. Au milieu de ces draperies flottantes, de ces fleurs effeuillées, de ces appels de jeunes filles, de cette gaieté qui s'exhalait de tout comme un parfum, on se sentait emporté malgré soi. Les bruits de la fête retentissaient dans le cœur en mille échos mélodieux. On était plus indulgent, plus dévoué, plus aimant! Dieu ne se manifestait point seulement au dehors, mais en nous-mêmes.

1. *Fête-Dieu*. Give plural, and reason for the formation.
2. *Plus tôt*. Distinguish from *plutôt*.
3. *à la Louis XIV.* Parse *la*.

#### II. Idem, Ch. 10.

Translate into idiomatic English:—

A ces mots, le père Chaufour m'a regardé en riant, et ses grands ciseaux ont recommencé à couper le papier vert pour ses étuis.

Je suis resté attendri et tout pensif.

Encore un membre de cette phalange sacrée qui, dans le combat de la vie, marche toujours en avant pour l'exemple et le salut du monde! Chacun de ces hardis soldats a son cri de guerre celui-ci la patrie, celui-là la famille cet autre

l'humanité; mais tous suivent le même drapeau, celui du devoir; pour tous règne la même loi divine, celle du dévouement. Aimer quelque chose plus que soi-même, là est le secret de tout ce qui est grand; savoir vivre en dehors de sa personne, là est le but de tout instinct généreux.

1. *Vert.* Give homonyms.
2. Parse *aimer, vivre.*
3. *Couper.* Translate: (a) I have had my hair cut; (b) I have cut my finger.
4. Write a short account of *Émile Souvestre.*

## III.

\* 1. Derive *mansarde, carnaval, boulevard, banalité, chef, volume, même, combler, près, aîné.*

\* 2. Translate: (a) Please lend me a lead pencil; (b) That's nothing to me; (c) They are hand and glove; (d) I have discharged him.

3. Distinguish: (a) *les ruches* and *les abeilles*; (b) *jour* and *journal*; (c) *change* and *changement*; (d) *journalier* and *ouvrier*; (e) *nuée, nue, nuage*; (f) *le labour* and *le labour.*

\* 4. Indicate pronunciation of *almanach, faubourg, arc-boutant, poignet, champ-de-mars, enivrer, chef-lieu* and *chef-d'œuvre.*

\* 5. Speaking of *Un Philosophe sous les toits*, Souvestre says, in the preface to one of his works: "*Nous avons cherché à réunir les enseignements et les consolations applicables à l'homme dans le célibat.*" Can you tell in what works our author has tried to do as much "*pour l'homme en famille,*" and "*pour l'homme, éprouvé par la vieillesse et le veuvage?*"

6. Write notes, of not more than three lines, on each of the following: *Connais-toi toi-même; Voltaire, Florian, Madame de Staël, Bernardin de Sainte Pierre.*

## GRAMMAR AND COMPOSITION—Pass.

L. E. HORNING, B.A. (VICTORIA).

## I.

1. Form the feminine of *chanteur, nègre, canard, empereur, vieux, discret, sec, bénin.*
2. Illustrate by examples the methods of forming comparisons in French.
3. Write the full French for: *On Sundays, a fortnight, May 1st, July 23rd, 80 horses, Louis XVI., 8.10 a.m., 10.30 p.m.*
4. Enumerate and illustrate the different uses of *tout.*
5. (a) Give 2nd pers. sing. fut. of *appeler, faire, sortir, s'asseoir, valoir, vouloir, vivre, acquérir*; (b) Give 2nd pers. sing. pres. subj. of *avoir, être, semer, courir, mourir, pouvoir, vouloir, rire.*
6. Give in full the pret. indef. of *S'en aller* used interrogatively.
7. Give a list of *five* nouns having *two* genders with the distinctions of meanings.

8. What are the respective places of the personal pronouns as objects?
9. When is *avoir* used as an auxiliary?
10. Give rules for the agreement of the past participle in the compound tenses of verbs.

## II.

Translate into French :

1. I have just received \$75 from John, the doctor's brother.
2. How is your father this morning? Not so well, I am sorry to say.
3. What is the matter with you? I have a fearful headache.
4. Have you any black hats? No, sir, but the baker's wife's sister has plenty.
5. Please go and fetch me writing materials.
6. Eating and drinking are necessary to life.
7. At what hour did you come?
8. It is not worth your while to talk to him, he will not pay any attention to your opinion.
9. When are you going to buy your apples? I bought some a week ago, and hope to get the rest on the market next Saturday.
10. Well! my sparrows are victims of some one of those foolish alarms which cause the fall of stocks on the Bourse. After all, birds are no more reasonable than men.

I was going to shut my window on this reflection when suddenly I perceive in the lighted space extending to the right the shadow of two ears moving forward, then a paw advancing, and then the head of a cat showing itself at the angle of the gutter. The rascal was there in hiding hoping that the crumbs would bring him some game.

## FRENCH AUTHORS—HONORS.

L. E. HÖRNING, B.A. (VICTORIA).

## I. Bertrand et Raton, Act I., Scene V.

Translate into idiomatic English :

## LA REINE, KOLLER.

LA REINE, *la regardant sortir*.—Vous l'avez entendu, Koller . . ce soir à l'hôtel du comte Falkenskiöld . . . Ce dîner où doivent se trouver réunis et Struensée et tous ses collègues, c'est ce que j'allais vous apprendre quand on est venu nous interrompre.

KOLLER.—Eh bien ! qu'importe ?

LA REINE, *à demi-voix*.—Ce qu'il importe ! . . . C'est le ciel qui nous livre ainsi tous nos ennemis à la fois. Il faut nous en emparer ou nous en défaire !

KOLLER.—Que dites-vous ?

LA REINE, *de même*.—Le régiment que vous commandez est cette semaine de garde au palais ; et les soldats dont vous pouvez disposer suffisent pour une pareille expédition, qui ne demande que de la promptitude et de la hardiesse.

KOLLER.—Vous croyez. . .

LA REINE.—D'après ce que j'ai vu hier, le roi est trop faible pour prendre aucun parti, mais approuvera tous ceux qu'on aura pris. Une fois Struensée renversé, les preuves ne manqueront pas contre lui et contre la reine. Mais renversons-le ! ce qui est facile, si j'en crois cette liste que vous m'avez confiée et que je vous rends ! C'est le seul moyen de ressaisir le pouvoir, d'arriver à la régence et de gouverner sous le nom de Christian VII.

KOLLER, *prenant le papier*.—Vous avez raison, un coup de main, c'est plus tôt fait ; cela vaut mieux que toutes les menées diplomatiques, auxquelles je n'entends rien. Dès ce soir je vous livre les ministres morts ou vifs. . . Point de grâce ; Struensée d'abord, Gøehler, Falkenskiöld et le comte Bertrand de Rantzau ! . . .

LA REINE.—Non, non, je demande qu'on épargne celui-ci.

1. *Ciel*. Form plural.
2. Indicate pronunciation of *hier*, *promptitude*, *allais*, *nom*, *raison*.
3. Give homonyms of *coup* and *comte*.
4. *Cela vaut mieux*. . . . Translate : (a) This cloth is good for nothing ; (b) My eldest brother is worth at least \$12,396.
5. *Nous en emparer*, *nous en défaire*, *si j'en crois*. . .  
Parse fully the *en* of each phrase.
6. Give principal parts of the following verbs : *Venu*, *apprends*, *défaire*, *pouvez*, *vaut*.

## II. Bertrand et Raton, Act V., Scene IX.

Translate into idiomatic English :

JEAN, RANTZAU ; ERIC, *le bras gauche en écharpe, s'élançant par la porte du fond et se mettant devant* CHRISTINE, FALKENSKIÖLD  
et GØELHER.

ERIC, *à Jean et à ses compagnons, qui viennent de sauter du balcon dans la chambre*.—Arrêtez ! . . . point de meurtre ! point de sang répandu ? . . . qu'ils tombent du pouvoir, c'est assez. (*Montrant Christine, Falkenskiöld et Gøehler*. Mais au prix de mes jours je les défendrai, je les protégerai ! (*Apercevant Rantzau et courant à lui*.) Ah ! mon sauveur ! mon Dieu tutélaire !

FALKENSKIÖLD, *étonné*.—Lui ! monsieur de Rantzau !

JEAN et SES COMPAGNONS, *s'inclinant*.—Monsieur de Rantzau ! c'est différent ; c'est l'ami du peuple ; il est des nôtres.

GØELHER.—Est-il possible !

RANTZAU, *à Falkenskiöld, Gøehler, et Christine*.—Eh ! mon Dieu, oui . . . ami de tout le monde ! demandez plutôt au général Koller et à son digne allié, messire Raton Burkenstaff.

Tous, *criant*.—Vive Raton Burkenstaff !

(*Rantzau remonte le théâtre, Eric le traverse pour se placer près de Jean*.)

1. *Lui! monsieur de Rantzau!* When are the disjunctive forms of the personal pronouns used in French?

2. *Vive Raton Burkenstaff!* Parse *vive*.

3. Sketch the characters of *Christine, Rantzau* and *Jean*.

(Extra marks given if done in French.)

### III. About—Le Roman d'un brave homme.

Translate into English :

Si mes grands-parents m'ont appris cette harmonie qui naît des contrastes, c'est entre mon père et ma mère que j'ai compris et admiré l'accord parfait. Ils formaient un seul être en deux moitiés, et de même qu'ils partageaient la même bourse, la même table et le même lit, ils n'avaient qu'une opinion, une conscience et une ambition pour deux. Leur ambition, ai-je besoin encore de le dire? était de me pousser assez haut pour que tous les Dumont de ma génération eussent un protecteur en moi. Je devais arriver premier, coûte que coûte, pour tendre la main à vingt autres, et terminer en grand ce que mon père avait ébauché en petit.

### GRAMMAR AND COMPOSITION—Honors.

L. E. HORNING, B.A. (VICTORIA).

(Candidates will receive credit for constructions indicated where they may not know the words.)

#### I.

1. Give examples illustrating uses of *dont* and *y*.
2. What auxiliary is used with neuter verbs? Illustrate by examples.
3. When is *si* used to translate *yes*?
4. When is the article omitted in French?
5. Write as full a note as you can on French negation.

#### II.

Translate into French :

1. Come for a walk! Thank you, I would rather stop at home.
2. My father is now richer than he was twenty years ago.
3. He is by far older than I.
4. My broken arm always aches when it is going to rain.
5. I shall get your brother to finish this exercise.
6. The patient slept through the whole night.
7. Say and do what you will, you will not get what you wish.
8. One day Newton invited a friend to dinner and forgot it. The friend arrived at the appointed time, and found the philosopher in a fit of abstraction. Dinner was brought up for one. The friend, without disturbing Newton, sat

down and despatched it. The latter, recovering from his reverie, looked at the empty dishes, and said: "Well, really, if it was not for the proof before my eyes, I should have sworn that I had not yet dined."

### GERMAN AUTHORS—Pass.

A. B. NICHOLSON, B.A. (QUEEN'S).

#### I. Hauff, Das Kalte Herz.

Translate:

"O, du dummer Kohlenmunkpeter!" rief der Kleine und warf seine gläserne Pfeife im Unmut, dass sie in hundert Stücke sprang: "Pferde? Wägelchen? Verstand, sag' ich dir, Verstand, gesunden Menschenverstand und Einsicht hättest du dir wünschen sollen, aber nicht Pferdchen und Wägelchen. Nun, werde nur nicht so traurig, wir wollen sehen, dass es auch so nicht zu deinem Schaden ist; denn der zweite Wunsch war im Ganzen nicht töricht. Eine gute Glashütte nährt auch ihren Mann und Meister, nur hättest du Einsicht und Verstand dazu mitnehmen können, Wagen und Pferde wären dann wohl von selbst gekommen."

1. Parse *rief, warf, sprang, nährt, wären, gekommen*.
2. *Kohlenmunkpeter*. Give his correct name.
3. What is the force of *auch so*?
4. *Wären gekommen*. Give the fuller form of this tense.

#### II. Schiller, Der Gang nach dem Eisenhammer.

Translate:

Und zweien Knechten winket er,  
Bedeutet sie und sagt:  
"Den ersten, den ich sende her,  
Und der euch also fragt:  
"Habt ihr befolgt des Herren Wort?"  
Den werft mir in die Hölle dort,  
Dass er zu Asche gleich vergehe,  
Und ihn mein Aug' nicht weiter sehe!"  
Dess freut sich das entmenschte Par  
Mit roher Henkerslust.  
Denn fühllos wie das Eisen war  
Das Herz in ihrer Brust.  
Und frischer mit der Bälge Hauch  
Erhitzen sie des Ofens Bauch,  
Und schicken sich mit Mordverlangen  
Das Todesopfer zu empfangen.

1. Parse *bedeutet, sende, befolgt, vergehe, freut, empfangen*.
2. Write notes on *zweien, her, mir, dess, Par*.
3. State the gender, number and case of *Knechten, Wort, Hölle, Asche, Aug', Brust, Bälge*.
4. Give an outline of the story



## GRAMMAR AND COMPOSITION—Pass.

A. B. NICHOLSON, B.A. (QUEEN'S).

## I.

1. Translate: The trees of the forest. The flowers of the garden. The daughters of the queen.

2. Mention the gender, and give the plural of *Schule, Mauer, Land, Geist, Reichthum, Dorf, Monat, Hand, Jahr*.

3. Decline in both numbers: *der grüne Baum; jene schöne Frau*.

4. Translate: You will be; they have been; we shall have been; they would have been; we had seen; they will have seen; they would have seen; they were seen; we have been seen.

5. Translate: The richest people are not always the happiest. The days are shorter in winter than in summer. The poor are often more contented than the rich.

6. State the case or cases governed by *durch, aus, von, ohne, während, auf, in, nach, vor*.

7. Give the principal parts of *binden, brechen, essen, halten, lesen, schreiben, stehen, tun*.

8. Translate: He copied the letter. Charles has copied his exercise. He ferried us over the river. They translated the sentence well.

## II.

Translate into German:

Diogenes, one of the seven wise men of Greece, lived in a tub<sup>1</sup>. Alexander the Great, who had heard much about him, visited the philosopher. Instead of rising and greeting the king, he remained lying in his tub. The king looked at him a while in silence,<sup>2</sup> and then said, "Diogenes, you seem to be very poor; can I help you?" "I do not want anything," answered the sage, "but if you desire<sup>3</sup> to do me a kindness, please step<sup>4</sup> a little out of my sun."

1. Tonne. 2. Schweigend. 3. Wollen. 4. Treten.

## GERMAN AUTHORS—Honors.

A. B. NICHOLSON, B.A. (QUEEN'S).

## I. Schiller, Egmonts Leben und Tod.

Translate:

Die Hinrichtung von fünf und zwanzig edeln Niederländern, welche binnen drei Tagen auf dem Markte zu Brüssel enthauptet wurden, war das schreckliche Vorspiel von dem Schicksal, welches beide Grafen erwartete. Johann Casembrood von Bakkerzeel, Sekretär bei dem Grafen von Egmont, war einer dieser Unglücklichen, welcher für seine Treue gegen seinen Herrn, die er auch auf der Folter standhaft behauptete, und für seinen Eifer im Dienste des Königs, den er gegen die Bilderstürmer bewiesen, diesen Lohn erhielt. Die Uebrigen waren entweder bei dem geusischen Aufstand mit den Waffen in der Hand gefangen,

oder wegen ihres ehemaligen Antheils an der Bittschrift des Adels als Hochverräther eingezogen und verurtheilt worden.

1. Under whose regeñcy was Egmont executed?
2. *Beide Grafen.* Who was associated with Egmont?
3. Explain the references in *des Königs, die Bilderstürmer, dem geusischen Aufstand, and der Bittschrift des Adels.*

## II. Schiller, Das Lied von der Glocke.

Translate:

Der Meister kann die Form zerbrechen  
Mit weiser Hand, zur rechten Zeit;  
Doch wehe, wenn in Flammenbächen  
Das glühnde Erz sich selbst befreit!  
Blindwüthend, mit des Donners Krachen  
Zersprengt es das geborstne Haus,  
Und wie aus offnem Höllenrachen  
Speit es Verderben zündend aus.

Weh, wenn sich in dem Schooss der Städte  
Der feuerzunder still gehäuft,  
Das Volk, zerreissend seine Kette,  
Zur Eigenhilfe schrecklich greift!  
Da zerret an der Glocke Strängen  
Der Aufruhr, dass sie heulend schallt,  
Und, nur geweiht zu Friedensklängen,  
Die Losung anstimmt zur Gewalt.

Freiheit und Gleichheit! hört man schallen;  
Der ruh'ge Bürger greift zur Wehr,  
Die Strassen füllen sich, die Hallen,  
Und Würgerbanden ziehn umher  
Da werden Weiber zu Hyänen  
Und treiben mit Entsetzen Scherz;  
Noch zuckend, mit des Panthers Zähnen,  
Zerreissen sie des Feindes Herz.

1. Distinguish between *die Form* and *der Mantel*.
2. To what event does the poet refer in the last paragraph?
3. Describe briefly the train of thought suggested by the casting of the bell.

## III.

Translate:

Der Tag von Spichern brach an. Vor uns die steilen Höhen, oben wohl besetzt mit feindlichen Kanonen. Es schien unmöglich, hinaufzukommen. Aber hinauf mussten wir. Die braven Jungen zogen die Stiefel aus, um besser klettern zu können. Hinauf mussten wir, und wir kamen auch hinauf mit lautem Hurrah! Aber mancher ist auch unterwegs liegen geblieben, manchen traf die tödliche Kugel. Doch der Feind wich zurück, die Ehre des Tages war unser. Die letzten Schüsse, fielen, aber einer derselben traf mich an der Stirne. Ich sank hin. Man trug mich in's Feldhospital und verband mir die Augen.

## GRAMMAR AND COMPOSITION—Honors.

A. B. NICHOLSON, B.A. (QUEEN'S).

## I.

1. Give the meaning, gender, genitive singular, and nominative plural of *Hut, Feder, Ort, Wald, Mauer, Stuhl, Frucht, Gesicht*.
2. Give the comparative and superlative of the following adjectives:—*klug, gross, arm, lang, einfach, hoch, kurz*.
3. With what person is *der*, as a relative pronoun, connected?
4. Give the past participle of *schneiden, anziehen, liegen, lügen, laufen, auslegen, vortragen, verstehen*.
5. Which of the following verbs are separable:—*aufstehen, verlangen, unterbleiben, vollbringen, zerstören, erhalten*?
6. Translate: *His brother is to be praised and a brother to be praised*.
7. Give the verbs connected with *Brand, Grube, Herkunft, Schluss, Bruch, Gang*.
8. Translate: I ought to have done it; he went away without doing it; he has had it done.

## II.

Translate into German:

One day several German princes were sitting and talking together of the countries they ruled. Each praised his own land above all others. One said, "My land has gold and silver. It is the richest of all." "In my land," said another, "grows the best wine. That is better than gold and silver." "The finest cities," exclaimed a third, "are in my land. And what can you say in honor of your land?" asked he of a prince who had not yet spoken. "In my land," answered he, "are no great cities; nor does much wine grow in it, and it has neither gold nor silver. But I can sleep in summer in the open field, safe from all harm from my people." "Without a doubt," cried all the princes, "you have the best land."

## BOTANY—Pass.

J. FOWLER, M.A. (QUEEN'S).

1. State all the points of difference you know between a root and a branch.
2. Name all the parts of a complete flower.
3. What is the use of sweet odors and bright colors in flowers?
4. What are (1) the essential, (2) the protective, organs of a flower? Why do some of these wither away so soon?
5. Describe as carefully as you can the flower of a garden pea.
6. Of what use to plants are large roots like those of Turnip, Carrot?
7. How does the Virginia Creeper climb walls?
8. Is the Potato an Annual or Biennial plant?
9. Give five terms describing the base, and five describing the apex of flowers.

10. Describe briefly the different forms of Indefinite (or Indeterminate) Inflorescence.

11. "The growth of a plant consists in the multiplication of its cells." Explain how the multiplication takes place.

12. "The chemical action which goes on in the leaves of plants is precisely the reverse of what takes place in the lungs of animals." Explain this statement as fully as you can.

### BOTANY—Honors.

J. FOWLER, M. A. (QUEEN'S).

1. What reasons have led Botanists to believe that the parts of a flower are only modified leaves?
2. Describe as carefully as you can the process of fertilization in any common plant.
3. Mention the organs of vegetation, and describe one of them.
4. Give all the points of difference you know between wind-fertilized and insect-fertilized flowers.
5. Mention all the parts of the flower-head and fruit of a Dandelion.
6. State all the points of difference you know between the fruit of the Strawberry, Raspberry and Blackberry.
7. Describe briefly the different kinds of underground stems.
8. Name the different varieties of Indeterminate Inflorescence.
9. "It often happens that, though several Carpels unite to form a compound Pistil, there is but one cell in the ovary." How do you explain this?
10. Distinguish a seed from a fruit, and give a classification of the different kinds of fruits.
11. From what source does a young plant derive its nourishment before it has roots or leaves sufficiently developed to obtain it from the air or soil?
12. Give the leading characteristics of the following orders:—Leguminosæ, Crucifere, Liliaceæ, Gramineæ, also of a Lycopod and a Mushroom.

### CHEMISTRY—Pass.

PROFESSOR SMYTH (TRINITY).

(Three-fourths of this paper will be considered a maximum)

1. What conclusions can be drawn regarding chemical combination from the behavior of Phosphorus and Iodine?
2. How many litres of mixed gases can be obtained respectively by the decomposition of two litres each of the following gases:—Hydrogen chloride, Chlorine monoxide, Hydrogen monoxide, and Ammonia? Show the importance of these experiments in framing a chemical nomenclature.
3. Express in chemical language the methods of preparation of (a) Hydrogen nitrate, (b) Hydrogen chloride.

4. How may the following gases be collected for examination:—Hydrogen, Carbonic anhydride, Chlorine and Nitrogen trioxide?
5. Name the oxides of Carbon and of Sulphur respectively.
6. What is the effect of bringing non-metallic oxides into contact with water? Name exceptions.
7. Compare the elements Chlorine, Bromine and Iodine, and mention one exception to their serial characters.
8. Name the three forms of Carbon, and mention a gaseous element which exists in more than one condition.

### CHEMISTRY—Honors.

PROFESSOR SMYTH (TRINITY).

1. Describe briefly experiments which have led to the adoption of the molecular theory of matter.
2. Describe briefly experiments which suggest our conceptions of an atom.
3. Compare the Nitrogen atom with the Phosphorus atom by stating experimental facts.
4. By what tests or general characters would you identify Carbonic anhydride, Silica, Sulphur dioxide, Hydrogen sulphide, and Hydrogen monoxide.
5. What do the symbols  $\text{NH}_3$ ,  $\text{NH}_4\text{Cl}$ ,  $\text{PCl}_3$ ,  $\text{PCl}_5$  suggest with reference to the valency of Nitrogen and Phosphorus?
6. What is the action on Iodine of (a) Nitric Acid, (b) Caustic Potash?
7. Sketch briefly a scheme of classification of the elements by which a connection is shown to exist between their atomic weights and properties.
8. From a knowledge of the serial properties of Iodine, Bromine and Chlorine, mention certain chemical and physical characters of the element Fluorine and its compounds.  $F = 19$ .
9. Write symbols of corresponding oxacids of Silicon, Phosphorus, Sulphur and Chlorine.

### PHYSICS.

PROFESSOR SMYTH (TRINITY).

(Three-fourths of the total marks will be considered a maximum.)

1. Define uniform velocity.  
A railway train moves at the rate of 36 kilometres per hour; what is its rate in metres per second?
2. Define uniform acceleration. Give an illustration from nature.
3. The weight of a cannon ball on the earth is 50 lbs., but on a certain asteroid only 5 lbs.; would its mass be altered? Explain.
4. State Newton's Second Law of Motion. Why will a weight dropped from a height fall to the eastward of the plumb line?

5. How long must a barometer tube be so that the Torricellian vacuum will be formed? If a barometer indicated 370 m.m. pressure, the true atmospheric pressure being 740 m.m., what would you suspect?

6. Define energy.

How can it be measured? If a cannon ball weighing 1 kilogramme has reached a height of 500 metres, how much energy has been communicated to it?

7. Explain how to compare the densities of two liquids by means of a bent tube. Is it necessary that the two limbs of the tube should be of the same bore?

8. What conditions are necessary to the successful operation of a siphon?

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