McGill College

THE CALENDAR

— OF —

Queen's University

AND COLLEGE,

KINGSTON, - - CANADA.

FOR THE YEAR 1881-2.

INCORPORATED BY ROYAL CHARTER, A.D. 1841.

KINGSTON:
PRINTED FOR THE UNIVERSITY AT THE BRITISH WHIG.
1881.

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_____.....*Professor of Sanitary Science.*

_____.....*Curator of the Museum.*

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Lecturer on Natural Science.

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ARCHIBALD P. KNIGHT, M.A.

EXAMINERS IN GAELIC.
Rev. N. MACNISH, LL.D., and EVAN MACCOLL, Esq.

JANITOR.
JOHN CORMACK.

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The Council consists of the Chancellor, the Trustees, the members of the Senate, and thirty-three elective members.

The Chancellor is elected by the Council, except when two or more candidates are nominated, in which case the election is by registered graduates and alumni. He holds office for three years, and, as highest officer of the University, presides at meetings of Council and Convocation and at Statutory meetings of Senate. In his absence he is represented by the Vice-Chancellor.

Of the elective members seven retire annually, except in every fifth year, when only five retire. Successors are elected by registered graduates and alumni. Retiring members may be re-elected.

The Council has power to discuss all questions relating to the College and its welfare, to make representations of its views to the Senate or the Board of Trustees, to decide on proposals for affiliation, and to arrange all matters pertaining to the installation of Chancellor, its own meetings and business, the meetings and proceedings of Convocation, and the fees for membership, registration and voting.

Convocation for the conferring of degrees, etc., is held upon the last Wednesday of April in each year.

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(*In the order of their retiring.*)

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	JAMES MCCAMMON, M.D	Kingston.
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	A. P. Knight, M.A.	Kingston.
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1882.	Thomas F. McLean, M.D.	Goderich.
	John M. Machar, M.A.	Kingston.
	Kenneth N. Fenwick, M.A., M.D.	Kingston.
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	Rev. Wm. B. Curran, M.A.	Hamilton.

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	A. Shortt.
Critic	D. McTavish.
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Y. M. C. A.

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QUEEN'S COLLEGE JOURNAL.

Published fortnightly during the Session by the Alma Mater Society.

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Ladies of Kingston—Scholarship		317 86
His Royal Highness THE PRINCE OF WALES—Prize		800 00
The late JOHN MOWAT, Kingston—Scholarship		800 00
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" " " Scholarship		1,300 00
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The late ROBERT SUTHERLAND, B.A., Walkerton		8,190 00
The late ALEXANDER RANKIN, Leamington, England—Scholarship		930 00
The late ALEXANDER SPENCE, D.D., Ottawa		3,800 00
" " " " " Scholarship		1,000 00
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A Friend, Kingston—Cataraqui Scholarship	$	50 00
Congregation of McNab and Horton—Scholarship		50 00
Session of St. Andrew's Church, Toronto— "		97 24
G. A. KIRKPATRICK, M.P., Kingston— Prize		25 00
JAMES REDDEN, Kingston— "		20 00
W. TASSIE, LL.D. Galt— "		25 00
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GRANT Scholarship		48 00
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General Assembly, Church of Scotland— "		1,683 88

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Balance in hand	$	55 07
St. Gabriel's Church, Montreal		25 00
Scarboro		17 36

St. Andrew's Church, Kingston, additional	14 00
Guelph	25 00
Bursary returned	40 00
Perth	10 00
Ottawa St. Andrew's Church	75 00
Fergus	10 00
Pakenham	2 00
Walkerton	5 00
Cornwall	20 00
Lunenburg	8 00
Vaughan (St. Paul's and St. Andrew's)	10 00
Scarboro	18 00
Williamstown	20 00
King	10 00
Fort Coulonge	7 00
St. Gabriel Street Church, Montreal	25 00
St. Andrew's Church, Kingston	50 00
Collections from individual members of Chalmers' Church, Kingston	31 00
From Principal Grant and Prof. Mowat for Pulpit service s..	27 00
Summerstown for a special case	12 50
Georgetown, Ont	16 25
St. Andrew's, Toronto	48 00

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In connection with the endowment scheme, begun in January, 1869, and also with the building and endowment scheme begun in May, 1878, paid subscriptions secure privileges according to the following regulations:—

1. A donor of $500 founds a SCHOLARSHIP bearing his own name or any other which he may give it, and acquires the privilege of naming *annually* one student to attend College for one session free of class fees. On the founder's death his lineal representatives become entitled to the privilege of free attendance in the order of seniority.

2. Donors of $100, $200, $300, and $400 may nominate, at any time during life, one, two, three, or four students respectively, to a course in Arts free of class fees.

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CHELSEA—J. Mather.

BECKWITH—Rev. W. Ross. M.A.

WATERDOWN—A. Brown.

ARNPRIOR—Rev. P. Lindsay, B.A.

*Deceased.

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TOSSORONTIO—J. Cumberland.
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(*Endowment and Building Fund of* 1878.)

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PORTSMOUTH—Alexander Cameron.
GUELPH—Rev. Robert Torrance.
TORONTO—John Jacques, 2; David McGee, 2; John Burns, John Kerr, John Macdonald, J. L. Blaikie, Rev. W. Caven, D.D., D. Coulson, F. McHardy, 2; W. Thompson, W. Alexander, John Bain, W. Henderson, A. Jardine, W. McDonald, W. B. McMurrich, A. J. Robertson, J. Leys.
GALT—John Goldie, John Lumsden.
COLBORNE—William Young.
WALKERTON—Rev. George Bell, LL.D.
HAMILTON—James Stewart, John Stuart, James Turner, James Walker, A. Harvey, A. E. Malloch, M.D. 2; J. S. Bruce, R. H. Park.
MONTREAL—Mrs. William Murray, 2; — Fortune, 2; William Ewing, Mrs. James Fairie, D. Shaw, John Ogilvie, L. H. Holton,* James Croil, G. M. Kinghorn, A. Mitchell, A. Macpherson, Mrs. D. Ross, Rev. J. S. Black, J. A. Cantlic, A. Dennistoun, A. Ewan, John Fair, 2; B. Lyman, H. McLennan, C. D. Proctor, R. Anderson.
OTTAWA—R. C. Harris, Alex. Wallace, G. R. Blyth, J. R. Booth, C. W. Bangs, C. Cameron, Thomas McKay.
LACHINE—J. P. Dawes, Sr., Rev. D. Ross, B.D.
PORT ELGIN—Robert Douglas, M.D.
CHATHAM, Ont—Rev. J. R. Battesby.
GANANOQUE—George Gillies, Mrs. McDonald, 3.
BELLEVILLE—A. L. Brown, 2; Alexander Sutherland.
LANCASTER—John McLennan.
SCARBORO'—James Stirling, A. Macpherson, Rev. M. Macgillivray.
PERTH—E. G. Malloch, 2; J. Armour.
KIPPEN—Rev. H. Cameron, S. Thompson.
FERGUS—Rev. J. B. Mullen, Jas. Muir.
GODERICH—James Dickson, Rev. R. Ure, D.D.

*Deceased.

PETERBORO'—Rev. E. F. Torrance, R. Nichol, 2.
STRATFORD—Rev. Thomas Macpherson, Rev. Thomas Macpherson & Son.
LONDON—D. Macfie, A. & J. G. Mackintosh,
LANCASTER—John McLennan, 3.
SMITH'S FALLS—A. Clark, Rev. S. Mylne.
MADOC—Mrs. Wishart.
RENFREW—A. Barent.
SUNBURY—Rev. T. S. Chambers.
BATH—R. Kennedy, M.D.
PINKERTON—Rev. J. Mordy.
KINCARDINE—J. A. McPherson.
BRANTFORD—J. H. Osborne, J. S. Nichol.

FOUNDERS OF SCHOLARSHIPS.

(*Endowment Fund of* 1869.)

Allan, Andrew, 2.....Montreal.
Allan, (Sir Hugh,) 3.....Montreal.
Bell, (John,)*.....Toronto.
Bronson, (H. F.)†.....Ottawa.
Bronson, (E. H.)†.....Ottawa.
Buntin, (Alex.) 2†.....Montreal.
Cameron, (John A.)†.....Summerstown.
Campbell, Hon. A.)†.....Kingston.
Carruthers, (John) 2.....Kingston.
Cluness, (W. R.) 2†.....Sacramento, Cal.
Crawford, (Alex.).....Montreal.
Currier, (J. M.).....Ottawa.
Dennistoun, (Judge) 2.....Peterborough.
Dennistoun, (James).....Peterborough.
Doran, (Michael) 2.....Kingston.
Fleming, (Sandford)†.....Ottawa.
Fulton, (Alex. T.)†.....Toronto.
Gillies, (John).....Carleton Place.
Gilmour, (Allan) 2†.....Ottawa.
Gordon, (Rev. D. M.).....Ottawa.
Grant, (J. A.).....Ottawa.
Greenshields, (D. J.).....Montreal.
Hardy, (Edw. H.)*.....Kingston.
Johnston, (Jas.)†.....Montreal.
Kinloch, (William)†.....Montreal.
Law, (David)†.....Montreal.
Mackerras, (Prof.)*.....Kingston.
Maclennan, (James).....Toronto.
Macpherson, (Hon. D. L.).....Toronto.
Macpherson, (Allan)*.....Kingston.
Malloch, Mrs. Edw.).....Ottawa.
McGillivray, (N. J.).....Montreal.
Macnee, (James).....Kingston.

Michie, (James) 2.....Toronto.
Morris, (Hon. A.).....Toronto.
Morrison, (John)†.....Montreal.
Mowat, (Prof.)†.....Kingston.
Muir, (Robert)†.....Montreal.
Murray, (Prof.).....Montreal.
Paton, (John).....New York.
Perth, (A friend)†.....Perth.
Rankin, (John) 2†.....Montreal.
Reekie, (R. J.).....Montreal.
Shedden, (John)*.....Toronto.
Smith, (John)*.....Montreal.
Snodgrass, (Principal) 2.....Kingston.
Stephen, (George) 2.....Montreal.
Stewart, (Mrs. W).....Ottawa.
Thos. McKay, 2 † ‡.....Ottawa.
Urquhart, (Alex).....Montreal.
Williamson, (Prof.).....Kingston.
William Dow, 2 ‡.....Montreal.

(*Endowment and Building Fund of* 1878.)

Allan, (A).....Montreal.
Aitken, (Mrs. Mary).....Montreal.
Breck, (I. H).....Garden Island.
Calvin, (D.D).....Garden Island.
Carruthers, Gunn & Co. 6.....Kingston.
Cross, (A. J.).....Montreal.
Dawes, (T. A., Sr).....Lachine.
Doran, (M).....Kingston.
Dow, (D. S.) 2.....Whitby.
Dupuis, (Prof. N. F).....Kingston.
Friend 4.....Montreal.
Friend.....Montreal.
Friend.....Montreal.
Gilmour, (A.) and friend, 10 each.....Ottawa.
Gordon, (Rev. D. M.).....Ottawa.
Grant, (Principal) 3.....Kingston.
Hay, (R.) 2.....Toronto.
Henderson, (P. R).....Kingston.
Johns.on, (J).....Montreal.
Macdonnell, (G. M.) 2.....Kingston.
Macdonnell, (Rev. James).....Toronto.
Maclennan, (James) 3.....Toronto.
Macnee, (James).....Kingston.
McPherson, (Hon. D. L).....Toronto.
McRae, (W. R).....Kingston.
Michie, (James) 10.....Toronto.
McCulloch, (H).....Galt.

* Deceased. † Nominations reserved. ‡ Memorial Scholarships.

Nickle, (W).....Kingston.
Spreull, (The Misses) 2.....Toronto.
Stephen, (George) 10.....Montreal.
Williamson, (Prof) 2.....Kingston.

DONATIONS TO LIBRARY.

Smithsonian Collections, vol. XVII.
Glasgow College Library. Glasgow University Calendar.
Rev. R. V. Rogers, M.A.,—Breviarium Romanum, 4 vols. Fine copy.
Parliament of Canada, Sessional Papers, 2 vols.
St. Andrew's University Calendar.
Canadian Congregational Year Book, 1880-1.
Dominion Government,—Canada Gazette.
Minutes of the Synod of Toronto and Kingston.
Mrs. John McKay,—Kitto's Cyclopædia of Bib. Lit., 3 vols.
Reports of the Schemes of the Church of Scotland.
The Author—Rev. James Nish, D.D.,—Discourses. Manual on the Lord's Supper. Discourse on the Nature of Acceptable Worship. Rules and Forms of Procedure of the Presbyterian Church of Victoria. The Presbyterian Church. Marriage with a deceased wife's sister.
Calendar of Manitoba College.
Toronto School of Medicine,—Annual Announcement.
The Author,—Problem of Canada by Malcolm McLeod. Notes on Scottish Sermons.
The Author,—Essentials of Chemistry, Finlay.
E. H. Britton,—Our Birds of Prey, Vennor.
J. Paton & Co,—Annual Report of The Am. Museum of Nat. Hist.
The Author—Rev. Robert Campbell,—Pretensions exposed. James Johnston vs. the Minister and Trustees of St. Andrew's Church. A Sermon. Union of Presbyterians.
E. H. Britton,—Hallam's Literature of Europe.
The Author,—Chapman's Blow-pipe Practice.
J. Paton,—An Address by G. W. Curtis.
Arch. E. Mallock, M.D.,—Troltsh on the Ear. Anatomo-Chirurgical Views. Sir Astley Cooper on Hernia.
Dalhousie College,—Calendar of Dalhousie College and University.
The Author—Rev. W. A. McKay,—Immersion not Scriptural.
Yale College Library,—Catalogue of Yale College, 1880-1.
From the Library of the late Dr. Machar, presented by his family—Œuvres Completes de Voltaire, 92 vols. Don Quixote, 6 vols. Memoires de l'Institute, 5 vols. Voyage en Grece et en Turquie. Sonini, 2 vols. Voltaire, Hist. du Parlement de Paris, 1 vol. Gerusalemme Conquistata del Signor Tasso. Maclaurin's Algebra. Locke, on the Epistles. Fluxionum Methodus inversa. Boswell's Corsica. Durham on Isaiah. Tychonis Brahei vita. T. Simpson, A new Treatise on Fluxions. Voltaire, Philosophie de Neuton. Bossut, Mechanique. Minshen's Spanish and English Dictionary. Smith, Phædra and Hippolitus, a tragedy. Constitution of the Church of Scotland. Sermons by Isaac

Barrow. Hume, Dissertations. Fenelon, Demonstration de l'existence de Dieu. Plato, De Republica. Wilkie, The Epigoniad. Selecta loca Plutarchi. Voltaire, Dialogues and Essays. Butler, Fifteen Sermons. Johnson's Dictionary. Bishop Burnet's Travels, Limborch, Theologia Christiana. Condillac, La Logique. Freemasonry, by Robinson. Agnesi, Traites de Calcul-Geometria a Renato Des Cartes. Wallis, A Treatise on Algebra. Smith, Wealth of Nations. Polybius, Historia. History of the Settlements and Trade of the Indies. Arnot, History of Edinburgh. Puffendorf, De jure naturae et gentium. L'Opere di Virgilia mantuano. Extraits de l'Histoire Universelle de Bossuet. Derham, Astro-Theology. Flechier, Recueil des Oraisons Funebres. Dictionary of Domestic Medicine. Newton, Prophecies of Daniel and Apocalypse. Demosthenes, Selectae Orationes. Petavius, Rationarium Temporum. Garnier, Elemens de Geometrie. Calvin, Commentarii in Epistolas. Brooks, An Ark for all God's Noahs. Memoires du Duc de Rohan, Fontenelle, Eloges des Academiciens. Gerard, An Essay on Genius. Epicteti, Enchiridion. Basilii Selenciae Opera quae extant. Cook, Resurrection of Christ. Condillac, La lanque de Calcul. Diodorus Siculus, Latine. Buchanan, Rerum Scoticarum Historia. Dialogo di Galilei Linceo. Hutton, Dissertations on Nat. Phil. Locke, Reply to the Bishop of Worcester. Bailly, Histoire de L' Astronomie. Boyle, Theological Works. Vince, Treatise on Trigonometry. Maclaurin, A Treatise on Fluxions. Boncharlat, Elemens de Caleul. Garnier, Lecons de Calcul Differentiel. Voltaire, Le Fanatisme ou Mahomet. The Guardian. Garnier, Lecons de Statique. Stuart, History of the Reformation in Scotland. Hammond, Sermons. Fischer, Physique Mecanique. Small, Astronomical Discoveries of Kepler. Boucharlat, Elemens de Mecanique. Lacroix, Traite Elementaire de Trigonometrie. Garnier, Reciproques de la Geometrie. Garnier, Elemens de Geometrie. Le Gendre, Theorie de Nombres. Carstares, State Papers and Letters. Base du Systeme Metrique Decimal. Lagrange, De la Resolution des Equations. Nov. Test. Libri Historici, Latine et Graece. Pearce, Commentary on the Four Gospels. Historia de la Conquista de Mexico. Chambers' Dictionary. Lagrange, Calcul des Fonctions. Garnier, Lecons de Calcul Integral. Lagrange, Theorie des Fonctions Analytiques. Newton, Analysis per Quantitatum series, Fluxiones. Cramer, Analyse des Lignes Courbes Algibriques. MacLaurin, Geometrica Organica. Newton, Method of Fluxions. Testamentum Graece et Latine. Horace, by Smart. Pope's Letters, vol. 2nd. Barrow on the Creed. Euler, Elemens d' Algebre. Massillon, Sermons.

S. Shibley, Esq.,—Statistics, Railways and Inland Revenue. Meteorological Report, 1875 and 1878. General Rules and Orders of the Supreme Court.

Cobden Club,—Financial Reform Almanac.

The Author,—Charteris, Canonicity.
Rev. Dr. Nish,—Proceedings of the General Assembly of the Church of Victoria. Missionary Record of Victoria, 4 Nos. Presbyterian Calendar of Victoria.
Report of the Minister of Education.
Report of Births, Marriages and Deaths, Ontario.
Report of Ontario Institution for the Blind.
Prof. Nicholson,—Hackley's Algebra. Hamilton, Conic Sections.
G. C. McCurdy & Co.,—Second General Council of the Presbyterian Alliance, 1880.
Catalogue of Union Theological Seminary.
Catalogue of the Library of the Parliament of Ontario.
Geological Survey,—Report of Progress, 1878-9
The Consul-General of the Netherlands,—The Image of the Cross. The three revisions of the Book of Common Prayer.
Hon. Alex. Morris,—Treaties of Canada with the Indians.
Report of Halifax Library.
Statutes of Ontario.
George U. Hay,—Memorial Sketch of Prof. Ch. Hartt.
Calendar of Trinity College.
H. M. Mowat, Kingston, vols. VII and VIII of the "Queen's College Journal."

DONATIONS TO MUSEUM.

William Breden, Esq., Kingston :
Finely mounted specimen of Lepidosteus osseus, Bony Garpike.
G. C. Oliver, Esq. :
Old Dial and Compass.
Judge McDonald, Brockville :

1. A Commission to one Samuel Baker as 2nd Lieutenant of the 9th Company of the Second Regiment of Militia in the County of Berkshire, and which said commission is given under the seal of the Commonwealth of Massachusetts and the hand of John Hancock, Governor thereof, and bears date 1st July, 1781.
2. A Commission to one Joseph Baker as 1st Lieutenant of Volunteers in the United States, dated 12th April, 1814, and signed by James Madison, President of the United States.
3. A bill for thirty shillings, by law current in New Jersey, for 4 ounces, 7 pennyweights, and 12 grains of plate, dated April 8th, 1762.
4. A bill of the Commonwealth of Pennsylvania for 4 shillings, dated April 10th, 1777.
5. Two fac-similes of the medal struck by order of Pope Gregory XIII, in commemoration of the massacre of St Bartholomew.
6. "The Boston News-Letter and the New England Chronicle," of Thursday, March 17, 1763.
7. "The Canadian Courant and Montreal Advertiser," of Saturday, February 21, 1818.
8. The "Kingston Chronicle," of Friday, January 28, 1820.

Dr. Dickson, Kingston:
Some fine specimens of Galena, and of auriferous quartz.
William Lawson, Esq., Halifax, N.S.:
A pair of moose horns.
Rev. James Cumberland, Stella:—
A pair of deer horns and head, fully mounted. Sixteen specimens of wood.
H. Donnelly, Esq., Ironside, P. Q., per Rev. J. Cumberland:
One pair deer horns.
A. H. Thompson, Walkerton:—
Package of fossils.
Samuel Mills:—
Specimens of Calcite.
J. D. Mackenzie, Esq., Hillcroft, Kingston:—
Fine mounted specimen of Duckbill (Ornithorhynchus paradoxus) in mahogany case.

FORM OF BEQUEST,

Every person desirous of bequeathing to the University real estate or personal property, or any manuscripts, books, maps, plans, drawing instruments, geological, botanical, or other specimens, scientific apparatus, works of art, or manufacture, is requested to make use of the following form in his will:—

"I give and bequeath to the Trustees of Queen's College at Kingston, Ont., *(here enumerate and particularize the effects and property intended to be bequeathed)* to be applied by them, in their capacity as Trustees to the funds of the College, (or to the improvement of the Library or Museum, or to the endowment of a Professorship, or to the foundation of a Scholarship or prize) and I hereby declare that the receipt of the Treasurer of the said college for the time being shall be an effectual discharge to my executors for the said legacy."

ACADEMIC YEAR.

1881.

Sept..28—Candidates intending to appear at ensuing examinations required to intimate in writing their intention to the Registrar.

Oct. .. 4—Session begins.

" .. 5—Matriculation, Pass and Honour Examinations in Arts and Law begin.

" ..10—Examination for Mowat Scholarship.

" ..15—Registration, &c.

" ..16—University Day—Divine Service in Convocation Hall.

" ..17—Classes in Arts, Law and Medicine open.

Nov... 2—Matriculation and Pass Examinations in Theology and Medicine begin.

" .. 2—Time for receiving Essays for University Prizes expires.

" ..21—Holiday.

Dec...22—Christmas Holidays begin.

1882.

Jan. .. 4—Classes re-open.

" ..14—Statutory Meeting of Senate.

Feb... 1—Holiday.

" ..15—Time for receiving Essays for Thorburn Prize expires.

" ..22—Holiday.

" ..28—Time for receiving Essay for Gold Medal in History expires.

March 1—Holiday.

" .. 2—Time for receiving Theses for M.D. expires.

" .. 8—Time for receiving subjects of Theses for M.A. expires.

" ..15—Holiday.

" ..30—Notices of intention as to ensuing examinations required.

" ..31—Time for receiving Theses for M.A. and D.Sc. expires.

April... 2—Class-work in Arts closes.

" .. 8—Pass and Honour Examinations in Arts begin.

" .. 9—Class-work in Theology closes.

" ..15—Pass Examinations in Theology begin.

" ..26—Statutory Meeting of Senate for conferring Degrees, &c.

" ..28—Convocation for distributing Prizes, announcing Honours and laureating Graduates.

GENERAL ANNOUNCEMENTS.

QUEEN'S COLLEGE has, under its Royal Charter, "the style and privileges of a University."

The forty-first session will be opened on the first Tuesday (4th) of October, 1881, at 3 o'clock P.M.

☞ *Students are particularly requested to give attention to the contents of the following pages, as all intimations shall be strictly adhered to.*

☞ A complete compilation of statutes and by-laws, containing information as to scholastic requirements and defining the duties of students, is published separately. The regulations in the compilation are applied consistently with any changes introduced into the Calendar. Copies are to be obtained from the Registrar.

BOARDING.—No student is allowed to board or lodge in any house not approved of by the Senate, except by permission of parents or guardians given in writing. Information as to approved houses may be obtained from the Registrar. The expense of suitable boarding is moderate.

REGISTRATION.—All students are required to have their names, with other particulars, entered in the University Register. At the time of registration they must produce the Treasurer's receipt for fees. Intrants must also present a certificate of character from their ministers or other competent persons, and sign a declaration promising due respect and obedience to the University authorities, diligent attention to their studies, and a courteous behaviour towards their fellow-students.

ATTENDANCE AT CHURCH.—All students must at-

tend the churches to which they profess to belong, and produce certificates of attendance from their clergymen when required.

THE LIBRARY contains over 11,000 volumes. All registered students are entitled to the use of it, subject to by-laws.

THE OBSERVATORY.—In 1855 subscribers, aided by the City Corporation, founded an Astronomical Observatory, which was transferred by deed to the University in 1861.

THE MUSEUM.—The Mineralogical and Palæontological collections are extensive and valuable. Occasional demonstrations are given to students. Friendly services towards the furnishing and enlargement of the Museum are solicited.

ACADEMIC COSTUME.—The dress so far as it is common to members of the University, without respect to rank, consists of black gown with long sleeves and cap with one tassel.

The gown worn by undergraduates has red trimming on the front and sleeves. Every undergraduate, when attending class or any college meeting, shall wear the academic costume.

The distinctive part of the costume of Graduates is in the hood, as follows:—B.A., black, bordered with red silk; M.A., scarlet; D.Sc., black, lined with blue, bordered with white; M.D., scarlet, bound on edge with white; B.D., white, with crimson plush border; D.D., black, with white lining; LL.D., black silk, lined with blue silk.

FEES.—The following fees are payable strictly in advance—class fees on University Day (15th October); graduation fees before Convocation Day:—

The classes of Chemistry and Physics, each per session	$12 00
Any other class, any number of sessions	6 00
Registration and Library, per session	4 00
Apparatus, per session	2 00
Matriculation Examination	1 00
Pass Examination	2 00
Graduation Fee, Doctor of Science (D.Sc.)	50 00
" " Bachelor of Arts (B.A.)	10 00
" " Bachelor of Laws (LL.B.)	10 00
" " Doctor of Medicine (M.D.)	30 00
" " Master of Arts (M.A.)	20 00
Bachelor of Divinity (B.D.)	20 00
Admission *ad eundem gradum*, B.A.	10 00
" " " M.A.	20 00

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FACULTY OF ARTS.

MATRICULATION.

I.—There are two Matriculation Examinations, a Junior and a Senior. Candidates who pass the Junior Examination take rank as Undergraduates of the first year, and those who pass the Senior Examination take rank as Undergraduates of the second year.

II.—In both of these Examinations, the candidate is required to pass in *one* of the following groups of subjects:—

(1)	(2)	(3)
Latin,	French and German,	French and German,
Greek,	Greek,	Latin,
English,	English,	English,
Mathematics.	Mathematics.	Mathematics.

III.—Candidates who have passed the High School Intermediate are exempted from examination in the English and Mathematics of the Junior Matriculation, unless they desire to compete for rank or Scholarships.

IV.—The subjects of Examination in each department of study are given in the following Table:

IN	JUNIOR MATRICULATION.	SENIOR MATRICULATION.
Latin.	1881-2. Cicero in Catilinam, II., III. Virgil, Æneid, Book I., vv. 1-304. Ovid, Fasti, Book I., vv. 1-300. Translation from English into Latin Prose. 30 exercises in Arnold, Part I. 1882-3. Cæsar, B.G., Bk. IV., c. 20-36 ; Bk. V., c. 8-23. Cicero, Pro Archia. Virgil, Æneid, Bk. II., vv. 1-317. Ovid, Heroides, Epistles, V., XIII. Translation into Latin Prose, 30 exercises in Arnold's, Part I.	1881-2. Cicero in Catilinam, I. Virgil, Æneid, Book VI. Horace, Odes, Book I. Bojesen's Roman Antiquities, pp. 1-100. Prosody in Smith's Grammar. Translation from English into Latin Prose. Book recommended : Arnold's Prose Composition. A paper will be set dealing with Grammar and Composition, on which special stress will be laid.
Greek.	1881-2. Xenophon, Anab., Book V. Homer, Iliad, Book IV. 1882-3. Xenophon, Anab., Book I. Homer, Iliad, Book VI.	1881-2. Homer, Iliad, Book XVIII. Herodotus, Book I. Gospel by John. Translation into Greek. A paper will be set dealing with Grammar and Composition, and another on Greek Antiquities.
English.	Writing from Dictation. Composition of a short essay on some prescribed subject. Critical Analysis of some specified work, the works for the next three years being :— 1881-2. Lady of the Lake (SCOTT.) 1882-3. The Deserted Village. The Task, Book III. 1883-4. Marmion, with special reference to Cantos V. and VI.	

Mathematics.	ARITHMETIC—A general knowledge of the subject, including Involution and Evolution. ALGEBRA—A general knowledge of the fundamental rules—Factoring — Simple Equations of one or more unknowns—H. C. F. and L. C. M.—Fractions —Quadratics—Problems leading to Simple Equations. GEOMETRY—Euclid, Books I., II., with simple applications of Algebra to Geometry.	ALGEBRA—More difficult problems in Simple and Quadratic Equations of one or more unknowns—Surds—Maxima and Minima—Inequalities—Series, Arithmetic and Geometric—Series of Squares, Cubes, &c.—Ratio, Proportion and Variation—Permutations and Combinations — Binomial Theorem and Expansions—Logarithms in their practical applications—Exponential Equations—Interest and Annuities — Continued Fractions — Indeterminate Analysis—Undetermined Co-efficients with applications.

	1882-3. The Deserted Village. The Task, Book III. 1883-4. Marmion, with special reference to Cantos V. and VI.	
Mathematics.	ARITHMETIC—A general knowledge of the subject, including Involution and Evolution. ALGEBRA—A general knowledge of the fundamental rules—Factoring — Simple Equations of one or more unknowns—H. C. F. and L. C. M.—Fractions—Quadratics—Problems leading to Simple Equations. GEOMETRY—Euclid, Books I., II., with simple applications of Algebra to Geometry.	ALGEBRA—More difficult problems in Simple and Quadratic Equations of one or more unknowns—Surds—Maxima and Minima—Inequalities—Series, Arithmetic and Geometric—Series of Squares, Cubes, &c.—Ratio, Proportion and Variation—Permutations and Combinations — Binomial Theorem and Expansions—Logarithms in their practical applications—Exponential Equations—Interest and Annuities — Continued Fractions — Indeterminate Analysis—Undetermined Co-efficients with applications. GEOMETRY—Euclid, Bks. I., II., III., IV., VI. — Elements of Plane and Solid Geometry—Measurment of the Cylinder, Cone and Sphere. Geometrical Construction of Equations and Algebraical Solution of Geometrical Problems—Simple Co-ordinate Geometry of the Point and Line. Trigonometrical ratios and their simpler applications.
French.	A paper on Grammar. Translation from English into French. 1881-2. Emile de Bonnechose, Lazare Hoche. 1882-3. Souvestre, Un Philosophe sous les Toits.	Translation from English into French. Sir G. C. Lewis' Essay on Romance Language, chap. II. Saintsbury's French Literature. 1881-2. Voltaire's Alzire. La Dot de Suzette par Fievee. 1882-3. Erckmann-Chatrian, Madame Therese. Moliere, Les Precieuses Ridicules.
German.	A paper on Grammar. Translation from English into German. 1881-2. Schiller { Der Gang nach dem Eisenhammer. Die Kraniche des Ibycus. 1882-3. Schiller { Belagerung von Antwerpen. Der Gang nach dem Eisenhammer. Die Kraniche des Ibycus.	Translation from English into German. Gostwick & Harrison, German Literature, chaps. II-XII. 1881-2. Schiller, Wilhelm Tell. "Das Jahr, 1813" (Clarendon Press Series). 1882-3. Gœthe, Egmont. Freytag, der Staat. Friedrichs des Groszen.

V.—To pass the Junior Examination at least one-fourth of the marks allotted to each subject must be obtained, and to pass the Senior Examination, at least two-fifths.

VI.—A student passing in any subject may attend the class connected therewith, and is eligible for a scholarship.

VII.- Ungrammatical language, incorrect spelling, or illegible writing, may lead to the rejection of the papers of a candidate.

☞ The examinations for 1881-2 will begin in the Convocation Hall, on the 5th October, at 10 o'clock A.M.

DEGREE OF B.A.

I.—The course of study for students who have passed the Junior Matriculation examination extends over four sessions, and for students who have passed the Senior Matriculation examination, over three sessions.

II.—Junior Matriculants must take *one* of the following groups of subjects :—

(1)	(2)	(3)
Jun. Latin,	Jun. French & German,	Jun. French & German,
Sen. Latin,	Sen. French & German,	Sen. French & German,
Jun. Greek,	Jun. Greek,	Jun. Latin,
Sen. Greek,	Sen. Greek,	Sen. Latin,
Jun. Mathematics.	Jun. Mathematics.	Jun. Mathematics.

III.—Senior Matriculants must take *one* of the following groups :—

(1)	(2)	(3)
Sen. Latin,	Sen. French & German,	Sen. French & German,
Sen. Greek.	Sen. Greek.	Sen. Latin.

IV.—All students must take the classes of Junior Philosophy (Mental and Moral), English Literature

(Junior and Senior), Junior Physics or Junior Chemistry, together with *one* of the following groups :—

(1)
History,
Senior Philosophy.

(2)
History,
Senior Mathematics.

(3)
Senior Mathematics,
Senior Philosophy.

(4)
Senior Mathematics,
Senior Physics.

(5)
Senior Chemistry,
Senior Mathematics.

(6)
Senior Chemistry,
Senior Philosophy.

(7)
Senior Chemistry,
History.

(8)
Senior Chemistry,
Natural Science.

(9)
Senior Mathematics,
Natural Science.

(10)
Natural Science,
Senior Philosophy.

(11)
Senior Physics,
History.

(12)
Senior Physics,
Natural Science.

V.—The class of Senior Mathematics must be taken before the class of Senior Physics.

VI.—The candidate for graduation must, in each session, pass an examination upon the subjects he has studied; but he is not allowed to present himself for examination upon more than three subjects at one time, unless he has previously failed in some subject.

VII.—To pass in any subject the candidate must obtain at least *two-fifths* of the number of marks; but if at the same examination he obtains Honours in any subject, he may pass in the other subjects upon which he has been examined by obtaining *one-third* of the marks in each subject.

VIII.—In exceptional cases the Senate may allow a candidate to come up for examination without attendance on classes, but he will be examined not only on the class-work indicated in the Calendar, but also on work specially prescribed.

☞ These regulations, adopted in 1880, apply in their completeness only to matriculants of session 1880-81 and thereafter. Matriculants of 1877-78 must, to complete their course of study, take at least two classes, those of 1878-79 at least four classes, and those of 1879-80 at least seven classes ; in other respects they are entitled to avail themselves of the options indicated above.

IX.—Graduates of other Colleges are admitted *ad eundem gradum* on producing satisfactory proof of rank and character.

Matriculants of years previous to 1880-81, who have passed in Junior Latin and in Junior Greek, may substitute, for the Senior class in either, the two classes in French and German.

DEGREE OF M.A.

I.—This degree is conferred upon the candidate who obtains first class Honours in Mathematics, Physics, or any two of the subjects appended, or the equivalent in second class Honours (second class Honours in two subjects being equivalent to first class Honours in one).

1. Latin,
2. Greek,
*3. French and German,
4. Mathematics,
5. Natural Science,
6. Physics,
7. Chemistry,
8. Mental Philosophy,
9. Moral Philosophy,
10. English Literature,
11. History,
12. Political Economy.

II.—The degree cannot be obtained until one year after the date of graduation as B.A.

III.—The candidate must compose a satisfactory Thesis in connection with one of the subjects in which he has taken Honours. The Thesis must be sent in to the Secretary of the Senate not later than the last day of March.

* French and German count as one subject,

☞ The preceding regulations regarding the taking of M.A. do not come in force until after the Convocation in April, 1882.

DEGREE OF D. Sc.

I.—This degree is conferred upon candidates who, after taking the degree of M.A., obtain first class Honours in all of the subjects in one of the following groups, except those in which they have obtained such Honours :—

A.

1. Latin,
2. Greek,
3. French and German, } any two
4. English Literature,
5. History,
6. Mental Philosophy,
7. Moral Philosophy,
8. Political Economy.

B.

1. Latin,
2. Greek, } any two
3. French and German,
4. Chemistry,
5. Natural Science,
6. Mental Philosophy,
7. Moral Philosophy.

C.

1. Latin,
2. Greek, } any two
3. French and German,
4. Mathematics,
5. Physics,
6. English Literature,
7. History, } any one
8. Political Economy.

D.

1. French and German,
2. Chemistry,
3. Natural Science,
4. Mathematics,
5. Physics,
6. History, } any one
7. English Literature,
8. Political Economy,

II.—The degree cannot be obtained until two years after the date of graduation as M.A.

III.—After passing the required examinations, the candidate must compose, and send in to the secretary of the Senate, not later than the last day of March, a series of three or more lectures on some topic connected with one of the departments of study in which he has passed. These lectures he will be expected to deliver, in the first session after he has obtained the degree, to the students in the department chosen.

IV.—Candidates who already possess the degree

of B.Sc. may obtaing the degree of D.Sc. by conforming to the foregoing regulations.

V.—Any B.A. or M.A., on payment of the registration fee, may attend the classes in Honours free of charge.

DEGREE OF LL.D.

This degree is honorary, and is awarded for literary, scientific or professional distinction.

REGULATIONS FOR HONOURS.

I.—Honours are given in the following subjects :

1. Latin,
2. Greek,
3. French,
4. German,
5. Mental Philosophy,
6. Moral Philosophy,
7. Political Economy,
8. English Literature,
9. History,
10. Mathematics,
11. Physics,
12. Chemistry,
13. Natural Science.

II.—To obtain Honours in any subject, the candidate must have passed the examinations connected with both the Junior and the Senior classes in that subject.

III.—If a candidate fails to obtain Honours in any subject, or if he only obtains second-class Honours, he may come up for examination again.

IV.—*First-class* Honours are given to the candidate who obtains at least three-fourths of the number of marks allotted to the subject.

V.—*Second-class* Honours are given to the candidate who cbtains at least two-thirds of the number of marks allotted to the subject.

SUBJECTS OF STUDY.

LATIN.

JUNIOR CLASS.

Cicero pro Lege Manilia.
Virgil, Æneid, Bk. VII.
Horace, Odes, Bk. II.

SENIOR CLASS.

Livy, Bk. XXII.
Tacitus, Annals, Bk. I.
Juvenal, Satires, VII., VIII.
Plautus, Captivi.

Careful attention is given to the analysis of the portions read, to the composition and prosody of the language, and to Roman antiquities.

HONOURS.

Tacitus, Germania.
Quintilian; Bk. X.
Cicero, De Oratore, Bk. I.
Persius, Satires, III., IV., VI.
Lucretius, Bk. I.
Horace, Epodes.
Terence, Andrian.
Wordsworth, Fragments and Specimens of Early Latin.
Peile's Etymology.
Cruttwell's Roman Literature.

GREEK.

JUNIOR CLASS.

Homer, Iliad, Bk. XVIII.
Herodotus, Bk. I.
Gospel by John.

SENIOR CLASS.

Demosthenes, Philip., III.
Plato, Apology.
Euripides, Alcestis.
Sophocles, Ajax.
Thucydides, Bk. I.
Acts of the Apostles.

Careful attention is given to the analysis of the portions read, to the composition and prosody of the language, and to Greek antiquities.

HONOURS.

Homer, Odyssey, Bk. XII.
Demosthenes, De Corona.
Pindar, Olympic Odes.
Æschylus, Prometheus.
Aristophanes, the Clouds.
Hesiod, Works and Days.
Donaldson's New Cratylus.
Mahaffy's Greek Literature.

MATHEMATICS.

JUNIOR CLASS.

Algebra—Simple and Quadratic Equations with artifices of reduction and elimination. Theory of Quadratics. Maxima and Minima. Surds. Inequalities. Arithmetic and Geometric series. Ratio, proportion and variation. Permutations and Combinations. Binomial theorem and applications. Logarithms and their application. Exponential Equation. Interest and Annuities. Continued Fractions. Indeterminate analysis. Undetermined co-efficients with applications.

Geometry—Euclid, Bks. II., III. and VI., with a portion of Bk. IV. Geometry of planes and solids. (The propositions of Euclid will be treated as per text-book and also by modern methods). Elementary co-ordinate Geometry.

Trigonometry—Elementary principles.

SENIOR CLASS.

Algebra—Of functions. Nature of roots and factors. Integral roots of an Equation. Evaluation of indeterminate expressions. The nth term, and the sum of a series. Principle of undetermined co-efficients. Partial fractions. Expansion of Algebraical functions. Reversion of series. Exponential series. Logarithmic series and theory of Logarithms. Expansion of Trigonometrical and Circular functions. Expressions for π. Machin's formula. DeMoivre's formula, &c. General theory of Equations.

Geometry—Co-ordinate Geometry of lines of the first and second orders (conics). Elementary co-ordinate Geometry of three dimensions. Theory of limits.

Trigonometry—Plane Trigonometry, with the simpler elements of spherical.

Elements of Differential and Integral Calculus.

HONOURS.

Honour work may be taken up during the year at Senior Mathematics, but the first examination for Honours cannot be taken until the year succeeding the Senior year. The Honour examinations are two in number :—

FIRST.

Higher Algebra—including continued fractions. Recurring series. Theory of numbers. Probabilities.

Trigonometry—Spherical ; and its application to Astronomy and Navigation.

Higher Conics ; and analysis of the more common higher plain curves.

Differential and Integral Calculus.

SECOND.

Co-ordinate Geometry of three dimensions. Lines and surfaces of double curvature.

Theory of determinants.

Differential and Integral Calculus.

Elements of Quaternions.

The examinations for Honours may include any portion from the Junior and Senior subjects.

BOOKS FOR REFERENCE.—Snowball's Trigonometry, Salmon's Conics, Salmon's Higher Algebra, Dodgson's Determinants, Williamson's Calculus, Kelland and Tait's Quaternions.

PHYSICS.

JUNIOR CLASS.

Lectures on Mechanics, Hydrostatics and Pneumatics, Heat, Electricity and Magnetism, Sound and Light, with experimental illustrations.

Books recommended : Everett's Text Book of Physics, Balfour Stewart, Ganot, Arnot.

SENIOR CLASS.

Mechanics (Galbraith and Haughton).
Hydrostatics (Galbraith and Haughton).
Optics (Dupuis).
Lockyer's Elementary Lessons in Astronomy.

HONOURS.

Tait and Steele's Dynamics of a Particle.
Statics and Dynamics.—Earnshaw.
Hydrostatics.—Phear.
Optics.—Griffin, Parkinson.
Astronomy.—Loomis.
Newton.—Evans, Frost.

MENTAL AND MORAL PHILOSOPHY, AND POLITICAL ECONOMY.

JUNIOR CLASS.

This class meets six days a week, four of which

are devoted to Metaphysics and Ethics, one to Logic, and one to Political Economy.

The text-books are Jevons' Lessons in Logic, and Rogers' Manual of Political Economy.

In Metaphysics and Ethics, no text-book is used, but students are recommended to consult Ferrier's Lectures on Greek Philosophy, or Schwegler's History of Philosophy, in the composition of their weekly exercises.

The lectures embrace a critical account of the main philosophical systems of ancient and modern times, and a systematic discussion of metaphysical and ethical problems.

SENIOR CLASS.

This class meets four days a week, and deals with the higher problems of philosophy. During the present session special attention will be paid to recent views in Psychology and Ethics. Kant's Critique of Practical Reason (Abbott's translation) is recommended for reference.

Students are required to give in fortnightly essays.

PRIVATE CLASS.

This class is voluntary, and is devoted to the study of some classical author in philosophy. This session Aristotle's De Anima and Kant's Critiques of Pure and Practical Reason will be taken up.

HONOURS.

A. MENTAL PHILOSOPHY.

Candidates will be examined on the following books:

Plato's Republic and Theætetus.
Aristotle's De Anima.
Descartes' Discourse on Method and Meditations.
Locke'sEssay on the Human Understanding.
Berkeley's Philosophical Writings (Fraser).

Hume's Treatise on Human Nature, Vol. I., with Green's Introduction (Green and Grose's edition).
Kant's Critique of Pure Reason and Prolegomena.
Mill's System of Logic.

The following books are recommended to be read :

Herbert's Realistic Assumptions of Modern Science.
Caird's Critical Account of the Philosophy of Kant.
Stirling's Secret of Hegel.
Wallace's Logic of Hegel.

B. MORAL PHILOSOPHY.

Candidates will be examined on the following books :

Aristotle's Nichomachean Ethics.
Spinoza's Ethics and De Intellectus Emendatione.
Hume's Treatise on Human Nature, Vol. II., with Green's Introduction (Green and Grose's edition).
Kant's Critique of Practical Reason (Abbott).
Hegel's Philosophy of History.
Maine's Ancient Law.

Books recommended to be read :

Bradley's Ethical Studies.
Sidgwick's Methods of Ethics.
Mill's Utilitarianism.
Spencer's Data of Ethics.
Grant's Ethics of Aristotle.

Familiarity with the substance of the main philosophical systems of ancient and modern times is expected.

C. POLITICAL ECONOMY.

Candidates are required to show a thorough knowledge of the Principles of Political Economy. They will be examined on the following books, although a minute knowledge of them is not expected :

Adam Smith's Wealth of Nations (Rogers' edition).
J. S. Mill's Principles of Political Economy.
J. E. Cairnes' Essays in Political Economy.
H. Fawcett's Manual of Political Economy.
W. S. Jevons' Logical Method of Political Economy.

In addition, they are require to write an essay on the Practical Results of the Free Trade and Protective Systems in England and the United States

respectively. The essay must be given in to the Secretary of the Senate not later than April 7, 1882.

CHEMISTRY.

JUNIOR CLASS.

The subjects of study in this class are :

The leading elements with their more prominent compounds. Chemical system of weights and measures. Specific weight. Atomic weight. Gaseous volumes, &c. Solution. Diffusion and osmose.

Heat in its more observable manifestations. Thermometry. Potential heat. Conduction. Convection, &c.

SENIOR CLASS.

The chemical elements more thoroughly studied.

Chemistry of Carbon compounds, Chemical Philosophy. Crystallization. Principles of Crystallography. Heat in its phenomenal and dynamical relations. Theory of a gas.

Radiant energy. Its prominent laws. The spectrum. The Spectroscope.

In the Junior Class the subject will be studied more in its phenomenal relations ; in the Senior Class, more in its theoretic and fundamental relations.

Books for consultation—Roscoe's Elementary Chemistry—Fownes' Chemistry by Watts—Youmans' Chemistry—Miller's Chemistry — Remsen's Theoretical Chemistry — Lockyer on the Spectroscope.

HONOURS.

The course for Honours extends over two years, and consists of book-work and laboratory work.

BOOK-WORK.

FIRST EXAMINATION.

A thorough knowledge of all the prominent chemical reactions, with their explanations, where well understood.

Solutions of problems involving chemical equivalents.

Crystallography and Physical Mineralogy.

SECOND EXAMINATION.

A thorough knowledge of the more important Organic compounds with their nuclei and derivatives.

The principles of Organic Analysis.

Chemical technology of the more commonly employed products.

The composition and uses of the more commonly occurring minerals.

LABORATORY WORK.

The Laboratory may be attended for the first time during the Senior class.

The first year's work will consist of experimentations for the purpose of determining or illustrating the chemical properties of matter and the nature and action of chemical forces. Principal blowpipe and moist reactions of prominent minerals.

The second year's work will consist of a complete separation and detection of bases and acids in a single salt or a comparatively simple mixture of salts. Detection of common minerals by the blowpipe and in the wet way. Gravimetric and Volumetric Quantitative analysis of a few commonly occurring compounds.

A working examination in the Laboratory will be held upon the second year's work.

Books for consultation—Fownes' Chemistry, by Watts—Roscoe and Schorlemmer's Chemistry—Schorlemmer's Chemistry of the Carbon Compounds—Harcourt and Madan's Practical Chemistry—Fresenius' Qualitative Analysis—Thorpe's Quantitative Chemical Analysis—Wagner's Chemical Technology.

NATURAL SCIENCE.

The lectures embrace an outline of the subjects of Botany, Zoology and Geology.

The Botany deals with the minute Anatomy, the Physiology and the Morphology of plants, together with the principles of Botanical Classification, and with a study of a few typical orders.

The Zoology includes the study of the leading types of animal structure, together with a general view of comparative Anatomy and Physiology.

The Geology includes Dynamical Geology, Lithology, Palæontology and Systematic and Chronologic Geology.

No text-book is used in this class, but the following works should be consulted :

Gray's Structural Botany.
Bessey's Botany.
Packard's Zoology.
Dana's Manual of Geology.
Lyell's Principles of Geology.

HONOURS.

FIRST EXAMINATION.

Gray's Manual of Botany.
Wood's Class-Book of Botany.

A practical acquaintance with the leading orders of the Phænogamous plants of Canada will be required.

Huxley's Vertebrated Animals.
Vertebrated Animals of Canada.
Dana's Manual of Geology.
Lyell's Principles of Geology.
Geology of Canada.

SECOND EXAMINATION.

Gray's Structural Botany.
Bessey's Botany.

A practical acquaintance with the leading orders of the Cryptogamic plants of Canada will be required.

Huxley's Invertebrated Animals.
Packard's Zoology.

A practical acquaintance with some class or branch of Invertebrates.

Mivart's Elementary Anatomy.
Huxley's Elementary Physiology.
Nicholson's Paleontology.
Croll's Climate an Time.

HISTORY.

Lectures. I. Ancient History—(1) On the antiquity of man and primitive culture. (2) On the development of Greek and Roman civilization ; on the Political Economy of the Greeks.

II. Modern History—(1) On the fall of Rome and rise of new nationalities. (2) On the progress of civilization in Modern Europe. (3) On the constitutional history of England.

Books recommended—Gladstone's Juventus Mundi, Curtius' History of Greece, Grote's History of Greece, Boeck's Public Economy of the Athenians, Mommsen's History of Rome:—Guizot's History of Modern Civilization, Stubbs' Constitutional History of England, Hallam's and May's History of the British Constitution, Sir James Stephen's Lectures on the History of France, Taswell-Langmead's English Constitutional History.

HONOURS.

Stubbs' Constitutional History of England.
Hallam's Constitutional History, from Henry VII.
Guizot's Representative Government.
A searching examination on the subjects taken up in the Lectures.

RHETORIC AND ENGLISH LITERATURE.

JUNIOR CLASS.

Lectures. I. On the Philology of the English Language.
II. Composition.

Students are required to give in fortnightly essays.

Books recommended—Max Muller's Science of Language, March's Lectures on the English Language, Maetzner's English Grammar, Earle's Philology of English Language, Abbott and Seeley's English Lessons for English People.

SENIOR CLASS.

I. Lectures on English Literature.
II. Critical Reading of some Author.

Books recommended—Craik's English Literature, Taine's English Literature, Dowden's Shakespeare: his Mind and Art.

HONOURS.

March's Anglo-Saxon Grammar.
Thorpe's Analecta Anglo-Saxonica.
Layamon's Brut.
Chaucer's Prologue, Canterbury Tales and Knight's Tale.
Spencer's Faerie Queene, Bks. I. and II.
Shakespeare's Hamlet and King Lear.

GERMAN.

JUNIOR CLASS.

Otto's German Grammar and materials for translating English into German.
"Das Jahr, 1813," Schlosser (Clarendon Press series).
Schiller's Egmont's Leben, und Tod und Belagerung Von Antwerpen.
Fouque's Undine.
Schiller's Wilhelm Tell.
Gostwick and Harrison's "Outlines of German Literature."

SENIOR CLASS.

Composition. History of the Language.
Goethe's Gotz Von Berlichingen.
Lessing's Nathan der Weise.
Schiller's Dreissig Jæhrigen Kriegs, Bks. III. and IV.

HONOURS.

Goethe's Faust, 1st part.
Wieland's Oberon, Cantos VII. and XI.
Schleicher, die Deutsche Sprache.

FRENCH.

JUNIOR CLASS.

De Fiva's Grammar.
Translation from English into French Prose.
La Dot de Suzette par Fievee.
Madame Therese par Erckman Chatrian.
Coutanseau's Abrege de l'Histoire de France. (Longman).

SENIOR CLASS.

Louis XIV. et ses contemporains. (Clarendon series).
Corneille's Horace.
Voltaire's Alzire.
Racine's Athalie.
French Literature and History of French Language.

HONOURS.

Corneille's Cinna.
Moliere, Les Femmes Savantes.
Literature of the XVIII. Century.
Brachet's Historical Grammar.
Littre, Histoire de la Langue Frangaise.

FACULTY OF LAW.

MATRICULATION.

I.—The Junior Matriculation examination is the same as the Junior Matriculation in Arts.

II,—The Senior Matriculation examination is the same as the Senior Matriculation in Arts, with the addition of Taswell-Langmead's Constitutional History.

DEGREE OF LL.B.

I.—The course of study for students who have passed the Junior Matriculation examination extends over four sessions, and for students who have passed the Senior Matriculation over three sessions.

II.—Junior Matriculants must take the following subjects:—

Junior Latin.
Senior Latin.
Junior Mathematics.
Junior Physics or Chemistry.
Junior French.
Senior French.
Junior Philosophy and Political Economy.
English Literature.
History.
Roman Law and
Constitutional Law and History.
The Law of Real Property.
Equity.
Common Law.
Criminal Law, and Medical Jurisprudence.
Commercial Law.

III.—Senior Matriculants must take the following subjects:—

Senior Latin.
Junior Physics or Chemistry.

Senior French.
Junior Philosophy and Political Economy.
English Literature.
History.
Roman Law and
Constitutional Law and History.
The Law of Real Property.
Equity.
Common Law.
Criminal Law, and Medical Jurisprudence.
Commercial Law.

IV.—The candidate for graduation must in each session pass an examination upon the subjects in Arts he has studied, but he is not allowed to present himself for examination upon more than three of those subjects at one time, unless he has previously failed in some subject.

V.—He must also pass an examination in the last year of his course in all the Professional subjects prescribed.

CURRICULUM OF LAW FACULTY.

The legal studies for the degree of LL.B. will extend over three sessions.

Every candidate must have regularly attended the classes in Constitutional History, Criminal and Commercial Law, Common Law, Real Property Law and Equity, during each year of his course; the class in Roman Law during his Second and Third years; and the class in Medical Jurisprudence during his Third year.

Any graduate in Arts of Queen's University, who is also a Barrister-at-Law, will be admitted to the degree of LL.B. upon passing an examination to be prescribed by the Faculty.

COURSE OF INSTRUCTION.

1. CONSTITUTIONAL HISTORY. Two lectures a week. Text books recommended—Stubbs' Constitutional History: Hallam's History of British Constitution: Taswell-Langmead's English Constitutional History.

2. CRIMINAL AND COMMERCIAL LAW. One lecture a week. Text books recommended—Smith's Mercantile Law : Blackstone's Commentaries, Vol. IV.: Russell on Crimes : Harris' Criminal Law.

3. ROMAN LAW. One lecture a week. Text books—Justinian, (Sandar's edition), or Tomkins and Jenckens' Compendium of Roman Law : Kent's Commentary on International Law, or Wheaton's International Law.

4. COMMON LAW. Two lectures a week. Text books—*First year*, Smith's Manual of Common Law and Blackstone's Commentaries, Vol. I. *Second and Third years*, Smith and Pollock on Contracts, Underhill on Torts.

5. MEDICAL JURISPRUDENCE. Two lectures a week. Text book —Taylor's Medical Jurisprudence.

6. REAL PROPERTY. One lecture a week during First year. Text book—Williams on Real Property. During Second and Third years two lectures a week. Text books—Leith's Blackstone, Dart's Vendors and Purchasers.

7. EQUITY. One lecture a week during First year : two lectures a week during Second and Third years. Text books—Smith's Manual of Equity : Snell's Principles of Equity : Taylor's Equity Jurisprudence.

There will be examinations from time to time in the various classes.

Graduates in Arts, being Barristers-at-law, will be admitted to the degree of LL.B., upon passing an examination on the following subjects: Taswell-Langmead's English Constitutional History; May's Constitutional History; Russell on Crimes; Justinian's Institutes (Sander's edition); Tomkins & Jencken's Compendium of Roman Law; Wheaton's International Law; Pollock on Contracts; Underhill on Torts; Dart's Vendors and Purchasers; Snell's Principles of Equity; Taylor's Equity Jurisprudence; Manie's Ancient Law.

Candidates are required to send notice to the Registrar of their intention to attend this examination by the 20th day of March.

FACULTY OF THEOLOGY.

Matriculation and pass examinations begin on Wednesday, 2nd November.

The prescribed order of classes must be observed by all students who are candidates for the degree of Bachelor of Divinity.

I. DIVINITY.

Lectures on the Evidences of Religion natural and revealed, including the canonicity, authenticity, genuineness and credibility of the Biblical Records; the Inspiration and Authority of the Scriptures; Systematic Theology; the Pastoral Office; and Homiletics—with prelections and examinations on Hill's Lectures in Divinity, Butler's Analogy, and Greek Testament for Doctrinal Exegesis. Students have opportunities of conducting devotional exercises, practising pulpit elocution, and performing missionary work. The course extends over three sessions, that of 1881-2 being the first in order.

II. HEBREW AND CHALDEE.

FIRST YEAR.

Wolfe's Hebrew Grammar.
Genesis I.
Joshua I—VII.
Ps. XXXV—XXXIX.
Translations into Hebrew.

SECOND YEAR.

Gesenius' Hebrew Grammar.
Exod. XXIII., XXIV.
Deut. XXXII—XXXIV.
Jer. X., XI.
Ps. XL—XLVII.
Prov. XXX., XXXI.
Translations into Hebrew.

THIRD YEAR.

Gesenius' Hebrew Grammar.
Winer's Chaldee Grammar.
Ps. CX—CXIX.
Isaiah XL—LI.
Dan. II., III.
Ezra IV., V.

III. BIBLICAL CRITICISM.

Epistle to Hebrews in Greek. Hammond's Textual Criticism. Lectures.

IV. APOLOGETICS.

Lecturer for the session 1881-2, Rev. T. F. Fotheringham, M.A.

V. CHURCH HISTORY.

Centuries I., II., III.; Killen's Old Catholic Church. Lecturer for the session 1881-2, Rev. R. Campbell, M.A.

The Church requires the following discourses to be delivered during the course:—Homily; Lecture and Greek Exercise; Sermon, and Hebrew Exercise.

MATRICULATION FXAMINATION.

1881-2.—Westminster Confession; Hill's Lectures, Bk. I; Gospel by Mark in Greek and English; Examination in Hebrew on Regular Verbs and Pronouns, and Genesis, ch. I., with analysis of the Regular Verbs and Pronouns contained in it.

1882-3.—Same as in previous session.

PASS EXAMINATIONS.

On the work of the session.

DEGREE OF BACHELOR OF DIVINITY.

REGULATIONS.

I.—Candidates for the Degree of Bachelor of Divinity (B.D.), must be graduates in Arts of this University or of a University whose degrees are recognized for this purpose by the Senate.

II.—The degree shall not be conferred until the candidate has completed his theological curriculum, with a view to the ministry in the Church to which he belongs, and has passed a satisfactory examination in the branches of Theology taught in this University.

III.—The subjects of examination shall be in two departments, the first embracing—(1) Hebrew and

(2) the Evidences of Religion and the Inspiration of Scripture ; and the second embracing—(1) Church History, (2) Biblical Criticism, and (3) Systematic Theology.

IV.—Candidates who have completed their theological course may be examined in either of these departments, and may defer their examination in the other department, provided there be not a greater interval than two years between their two examinations.

V.—Students who have completed all the sessions but one of their theological course, may be admitted to examination in the first department.

VI.—A candidate may, subject to the preceding regulations, appear at any University examination in Theology, provided he gives two weeks' notice of his intention to the Registrar.

VII.—When a student, who is a candidate for the degree, shall obtain at a pass examination on any subject two-thirds of the marks allotted to the subject, he may, on recommendation of the examiner, be exempted from further examination on that subject.

SUBJECTS OF EXAMINATION.

DEPARTMENT I.

1. Evidences of Religion, and Inspiration of Scripture.
2. Hebrew, Isaiah xl—lxvi. Chaldee, Daniel ii., iii.

DEPARTMENT II.

1. Church History — Centuries i—iii ; the Reformation ; the Church in Scotland.

2. Biblical Criticism—Epistle to Romans in Greek ; Angus' Bible Handbook, ch. iv., Rules of Interpretation ; Hammond's Textual Criticism of New Testament. Introduction to Pentateuch and Gospel of John.

3. Systematic Theology — Person of Christ, Doctrine of Sin, Doctrine of the Atonement, Justification, Work of the Holy Spirit.

The following books may be consulted :—Paley's Evidences,

Butler's Analogy, Tulloch's Burnett Prize on Theism, Mozley's Bampton Lectures on Miracles, Trench on the Miracles (preliminary essay) ; Westcott on the Canon of the New Testament ; Lee on Inspiration ; Dorner on the Person of Christ, Liddon's Bampton Lectures on our Lord's Divinity, Tulloch on the Christian Doctrine of Sin, Crawford on the Atonement, Grotius de satisfactione Christi, Hill's Lectures in Divinity, Christian Dogmatics (Van Oosterzee's and Martensen's) ; Keil on the Old Testament and Bleek on the New, Killen's Old Catholic Church, Fisher's History of the Reformation.

STUDENTS' MISSIONARY ASSOCIATION.

This Association holds a weekly meeting on Saturday morning, in the Divinity class-room. In addition to devotional exercises and the ordinary business of the association, reports are read by members from time to time, respecting the fields occupied by them during the preceding summer under the Home Mission Board of the General Assembly. A Sabbath morning prayer meeting is held in the classical room under the management of the association. The association also assists the convener of the Presbytery's Home Mission Committee in filling appointments for Sabbath day services in the neighbourhood of Kingston.

GRADUATION IN MEDICINE.

The degree of Doctor of Medicine (M.D.) is conferred upon candidates who comply with the following regulations :—

I. Except as provided in the next regulation, every candidate must pass a matriculation examination upon the following subjects :—

English Language, Grammar and Composition.
Arithmetic, with Vulgar and Decimal Fractions.
Algebra, including Simple Equations.
Geometry, first two books of Euclid.
Latin, Grammar and translation (Cicero in Catilinam II., III. ; Virgil, Æneid, Bk I., vv. 1—304 ; Ovid, Fasti, Bk. I., vv. 1—300 ; Translation from English into Latin prose, 30 exercises in Arnold, part I).
Natural Philosophy, as in Stewart's *Physics*.

II. Graduates from a recognized University are not required to pass the above Matriculation examination. Matriculants of a recognized University are required to pass an examination, or to show that they have passed an examination, in Natural Philosophy only.

III. Candidates, who are not Graduates in Arts, must furnish evidence of having attended some recognized Medical School for not less than four full sessions, must have passed all the required examinations, and must be recommended by the Faculty of the Royal College of Physicians and Surgeons, in affiliation with Queen's University, and by the Examiner in medicine appointed by the Senate.

Candidates, who are Graduates in Arts, will be required to attend only three sessions.

EXAMINATIONS.

IV. The examinations required are a Primary, an Intermediate, and a Final.

1. The Primary examination is upon the subjects of Botany, Theoretical Chemistry, and Physiology, and is only open to students at the close of their second session. One session in Botany, two in Chemistry and two in Physiology are required.

2. The Intermediate examination is upon Anatomy, Materia Medica, Practical Chemistry, Medical Jurisprudence, and Histology, and is open to students only at the close of their third session.

But students who are Graduates in Arts are allowed to take the Intermediate and the Primary examinations at the same time. One session in Practical Chemistry, and two sessions in Medical Jurisprudence, in Anatomy and in Materia Medica are required.

3. The Final examination is open to students at the close of their course, and is upon Practice of Medicine, Surgery, Midwifery, and Sanitary Science. Two sessions' attendance upon each is required.

V. A candidate cannot be admitted to any of the foregoing examinations, until he has furnished satisfactory evidence of having complied with the regulations in regard to Matriculation.

PRIZES.

Four valuable Prizes are offered by the Medical Faculty every year, viz.: Two House Surgeoncies of the Kingston Hospital—six months each—and two Demonstratorships of Anatomy, in value from $60 to $75 each. These Prizes are awarded to the four students making the highest number of marks at the second professional examination. Also, two

prizes, of the value of $15 and $10 respectively, for the best two dissected preparations. Conditions to be announced at the beginning of the session.

Also, two prizes : a first and second, of the respective values of $15 and $10, will be give next session for the two best Anatomical preparations. Subjects to be announced at the opening of the session, and preparations to be approved of by the Faculty.

For University Prizes, Medals, etc., see pages, 40, 41.

NOTICES.

1. The Examinations of the Medical Council will be held in the City of Kingston as well as in Toronto, so that students of this College will be saved the trouble and expense of attending examinations in Toronto.

2. Persons desiring to obtain full information respecting the curriculum in Medicine, Fees, etc., should apply to the Registrar of the Medical Faculty, Fife Fowler, M.D., Kingston, Ont.

SCHOLARSHIPS.

SCHOLARSHIPS IN ARTS AND LAW.

Scholarships in Arts have *endowment nominations* connected with them, securing exemption from class fees for *one* session, and thereby adding from $18 to $24 to the given value of each.

A student, though not an *undergraduate*, is eligible for a scholarship ; but scholarships marked *close* can be held only by students having in view the ministry of the Presbyterian Church, being given by their founders upon that condition.

Scholarships awarded upon matriculation examinations are tenable during the first session, and those awarded upon sessional examinations are tenable during the following session, except open scholarships, gained by students in the last year of their course in Arts, which are paid at once.

Successful candidates for scholarships must make *at least* one-half the number of marks allotted to the subject or subjects upon which the scholarship is awarded.

I. JUNIOR MATRICULATION SCHOLARSHIPS.

MACKERRAS' MEMORIAL.

Founded in memory of the late Professor Mackerras. Value, $100. Awarded upon the matriculation examinations in Latin and Greek.

GUNN.

Given by Alexander Gunn, Esq., M.P. Value,

$100. Awarded upon the matriculation examination for General Proficiency.

WATKINS.

Founded by the late John Watkins, Esq., Kingston. Value, $80. Awarded upon the matriculation examination in Classics, Mathematics and English, and tenable only by candidates who have spent one year at the Kingston Collegiate Institute.

LEITCH MEMORIAL. No. 1.

Founded in memory of the late Principal Leitch. Value, $57. Awarded upon the matriculation examination in Mathematics.

RANKINE. (Close.)

Founded by the late Alexander Rankine, Esq., Leamington, Eng. Value, $55. Awarded upon the matriculation examination in English.

MOWAT.

Founded by the late John Mowat, Esq., Kingston. Value $50. Awarded to the best candidate at a special oral examination on Arithmetic. Competition will take place on 6th October.

TASSIE PRIZE.

Given by William Tassie, Esq., LL.D., Galt. Value, $25. Awarded upon the matriculation examination in Classics. To this prize is added a free nomination to a full course in Arts.

MARION STEWART McDONALD.

Founded by John S. McDonald, Esq., Fond du Lac, Wis. Value, $100. Given to a deserving student or students from Glengarry Co., Ont., and awarded after the matriculation examinations.

M. C. CAMERON.

Founded by M. C. Cameron, Esq., M.P. Value, $60. Given to the best Gaelic Scholar, reader or speaker. Open to students of any year. The examination takes place after the matriculation examinations.

REDDEN PRIZE.

Given by James Redden, Esq., Kingston. Value, $25. Awarded upon the matriculation examination in mathematics.

KIRKPATRICK PRIZE.

Given by George Kirkpatrick, Esq., M.P., Kingston. Value, $25. Awarded to Matriculant in Law for best examination in Taswell Langmead's Constitutional History.

II. SENIOR MATRICULATION SCHOLARSHIPS.

McNAB AND HORTON. (Close.)

Given by the congregation of McNab and Horton. Value, $75. Awarded upon the examination in Mathematics. Preference given to a student from Renfrew.

III. SCHOLARSHIPS AWARDED ON SESSIONAL EXAMINATIONS.

GLASS MEMORIAL. (Close.)

Founded in memory of the late Henry Glass, Esq., of Sarnia, by his widow. Value, $35. Awarded upon the sessional examination in Junior Mathematics.

ST. ANDREW'S CHURCH, TORONTO. (Close.)

Given by the session of St. Andrew's Church, Toronto. Value, $50. Awarded upon the sessional examination in Senior Chemistry.

GRANT.

Given by the Principal. Value $48. Awarded upon the sessional examination in Junior Philosophy (Mental and Moral.)

TORONTO. (Close.)

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value $60. Awarded upon the sessional examination in Junior Physics.

KINGSTON.

Founded in 1861 by the Ladies of Kingston. Value, $35. Awarded upon the sessional examinations in French and German.

McGILLIVRAY.

Given by Neil J. McGillivray, Esq., B.A., Montreal. Value $50. Awarded upon the sessional examination in Junior Latin.

NICKLE.

Given by William Nickle, Esq., Kingston. Value, $50. Awarded upon the sessional examination in Natural Science.

CATARAQUI.

Given by a friend in Kingston. Value, $50. Awarded upon the sessional examination in History.

McINTYRE. (Close.)

Founded in 1876 by Mrs. Margaret W. McIntyre, Perth, Ont. Value $50. Awarded upon the sessional examination in Senior Mathematics.

CHURCH, NO. 1. (Close.)

Provided out of the Scholarship and Bursary

Fund. Value, $65. Awarded upon the sessional examination in Junior Greek.

CHURCH, NO. 2. (Close.)

Provided out of the Scholarship and Bursary Fund. Value, $60. Awarded upon the sessional examination in Rhetoric and English Literature.

BUCHAN, NO. 1. (Close.)

Founded in 1875 by bequest of Rev. Alexander Buchan, Stirling, Ont. Value, $50. Awarded upon the sessional examination in Senior Philosophy (Mental and Moral.) Tenable during the first year in Theology.

BUCHAN, NO. 2. (Close.)

Founded by bequest of Rev. Alexander Buchan, Stirling, Ont. Value, $100. Awarded upon the sessional examination in Senior Physics. Tenable during the first year in Theology.

McNAB AND HORTON.

Given by the congregation of McNab and Horton. Value, $75. Awarded upon the sessional examination in Senior Mathematics. Preference given to a student from Renfrew.

SCHOLARSHIPS IN THEOLOGY.

I. MATRICULATION SCHOLARSHIPS.

DAVID STRATHERN DOW.

Founded in 1876 by David Strathern Dow, Esq., Whitby, Ont. Value, $100.

DOMINION.

Founded in 1870 by a gentleman now resident in Nova Scotia. Value, $80. Open to students belonging to any Presbyterian Church in the Dominion.

BUCHAN, NO. 3.

Founded in 1875 by bequest of Rev. Alexander Buchan, Stirling, Ont. Value, $75.

CHURCH OF SCOTLAND, NO. 1.

Given out of funds granted by the C. C. Value $60.

CHURCH OF SCOTLAND, NO 2.

Given out of funds granted by C. C. Value, $50.

CHURCH OF SCOTLAND, NO. 3.

Awarded to the student of the second or third year not already holding a scholarship who passes the best examination in the Epistle to the Hebrews in Greek, and in Butler's Analogy. Value, $60. Examination same time as matriculation examination.

II. SCHOLARSHIPS AWARDED AT CLOSE OF SESSION.

ANDERSON.

Given by Robert Anderson, Esq., Montreal. Value $50. Awarded upon the sessional examination of the first session.

HUGH McLENNAN.

Given by Hugh McLennan, Esq., Montreal. Value, $25. Awarded upon the best monthly examinations in Church History.

CHURCH OF SCOTLAND, NO. 4.

Awarded upon the sessional examinations of the first year, and tenable during the second. Value, $50.

MACKERRAS MEMORIAL PRIZE.

Given by the congregation of Williamstown in memory of the late Professor Mackerras. Awarded

upon the sessional examination in Greek Exegesis. Value, $25 in books.

LEITCH MEMORIAL, NO. 2.

Founded in 1867 in memory of the late Principal Leitch, by subscribers in Scotland and Canada. Value, $80. Awarded upon a sessional examination, and tenable during three successive years, should the successful candidate, after the completion of his theological curriculum at this university, continue his studies at this or any European University. Candidates must have the degree of B.A. The next competition will take place in April, 1882. Subjects of examination :—the Epistles of Romans and Hebrews in Greek, Psalms I—XXV in Hebrew, Butler's Analogy, and the Theological Lectures of the session.

SPENCE.

Founded in 1879 by the late Rev. Alexander Spence, D.D., formerly minister of St. Andrew's Church, Ottawa. Value, $60. Awarded upon the sessional examinations at the close of the first year in Theology. Tenable during the second and third years in Theology.

CHURCH BURSARIES.

These are awarded to deserving students, who have not obtained scholarships, and who are preparing for the ministry of the Presbyterian Church in Canada. Recipients must sign a written obligation to repay the money should they change their intention with regard to the ministry. Recommendations accompanying contributions for the benefit of particular students, whether matriculants or not, are duly observed. (See By-laws.)

UNIVERSITY PRIZES.

These are prizes in money for literary articles, essays, etc., as specified under each particular prize. The prizes are given at Convocation.

CONDITIONS OF COMPETITION.

1. Competitive papers (except for Thorburn, which see), must be given in to the Secretary of the Senate not later than the 15th November.

2. Each paper is to bear a motto, instead of the author's name, and to have attached to it a sealed envelope, bearing the same motto and containing a written declaration over the author's signature, to the effect that it is his unaided composition.

3. The envelopes attached to successful papers shall be opened and the writers' names made known at the closing Convocation of the session.

4. The best productions must be reported by the examiners to be of sufficient merit.

5. All successful productions shall be the property of the University and be at the disposal of the Senate.

LEWIS.

Value, $25. Given for the best lecture on Matt. VI. 9-13 inclusive. Open to students of Theology registered in session 1881-2.

SESSION OF ST. ANDREW'S CHURCH, ALMONTE.

Value, 25. Given for the best model of prayer for forenoon service. Open to students of Theology registered in session 1881-2.

MACPHERSON.

Value, $25. Given by the Hon. David L. MacPherson, Toronto, for the best essay on the Influence of Britain on India. Open to registered students of session 1881-2.

CARMICHAEL.

Value, $25. Given by the Revs. Messrs. Carmichael, of Markham and King, for the best essay on the Stationary Steam Engine and Locomotive. Open

to registered students of the present or preceding session.

MACLENNAN.

Value, $25. Given by Donald B. MacLennan, Esq., M.A., Q.C., Cornwall, for the best essay on Recent English Psychology. Open to registered students of the present or preceding session.

CHANCELLOR'S ESSAYS.

Three prizes of $50 each to be awarded for the best English essays on the undermentioned subjects. The essays to be sent in to the University Registrar on or before University Day, 1881. If the essays be not of sufficient merit, the prizes will be open for another competition:

1. Specially intended for Arts students, but open to all: "Should the study of Classics be optional or compulsory?"

2. Specially for Divinity students, but open to all: "Should the Presbyterian Church in Canada return to the liturgy of the time of Knox, or adopt in public worship a liturgy in any form?"

3. Specially for Medical students, but open to all: "How best to develope Brain Power in youth so as to preserve it in health and vigor for useful application in manhood and old age."

THORBURN.

Value, $40. Given by John Thorburn, Esq., M.A., LL.D. (President of the Ottawa Literary and Scientific Society), for the best history of the County of Grenville—the history to contain details of such matters as the original characteristics, struggles, etc., of the first settlers; the rise and progress of municipal institutions, mechanics' institutions, benevolent, industrial and other establishments, newspapers, etc.; the first churches, schools, etc.; the developement of

agricultural and mineral resources; and events of a general character by which the country may have been particularly affected. *Any person may compete.* Competitive papers must be in the hands of the Registrar, Professor Mowat, not later than the 15th February. The successful history, or a copy of it, shall be placed in the archives office at Ottawa.

MEDALS.

No Gold Medal is awarded unless to First-class Honours.

PRINCE OF WALES' GOLD MEDAL IN CLASSICS.

For the best examination on the honour work in Latin and Greek. Open to all registered students.

CARRUTHERS GOLD MEDAL IN PHYSICS.

Given by John Carruthers, Esq., Kingston, for the best examination on the honour work in Physics. Open to all registered students.

CARRUTHERS' GOLD MEDAL IN CHEMISTRY.

Given by John Carruthers, Esq., for the best examination on the honour work in Chemistry. Open to all registered students.

THE MAYOR'S GOLD MEDAL IN MENTAL AND MORAL PHILOSOPHY.

Given last session by E. J. B. Pense, Esq., for the best examination on the honour work in Mental and Moral Philosophy, as prescribed for the session. Open to all undergraduates or graduates taking the honour work in those subjects.

CHANCELLOR'S GOLD MEDAL IN HISTORY, AND ENGLISH LANGUAGE AND LITERATURE.

Given by the Chancellor for the best examination on the honour work in those subjects, with an essay on the state of France during the Carolingian dynasty. Open to undergraduates or graduates taking the honour work.

GRADUATES' GOLD MEDAL IN POLITICAL ECONOMY.

For the best examination on the honour work in Political Economy. Open to students attending classes in Arts, Law, Medicine or Theology.

PRINCE OF WALES' SILVER MEDAL IN MODERN LANGUAGES.

For the best examination on the honour work in French and German. Open to undergraduates or graduates taking the honour work in that subject.

PRINCE OF WALES' SILVER MEDAL IN NATURAL SCIENCE.

For the best examination in the honour work in Natural Science. Open to undergraduates or graduates taking the honour work in that subject.

PRINCE OE WALES' SILVER MEDAL IN CLASSICS.

For the candidate who stands second in the examination on the honour work in Latin and Greek.

HONOURS, MEDALS, PRIZES, ETC.

HONOUR LIST FROM 1877.

1877.

W. H. Irvine, Ontario. First-class in Mathematics and Natural Philosophy.

Archibald Alison Mackenzie, New Brunswick. First-class in Classics, History, Rhetoric and English Literature, Logic, Metaphysics and Ethics.

1878.

David Alexander Givens, Ontario. First-class in Mathematics and Natural Philosophy.

George Macdonald, Ontario. First-class in Classics, History, Rhetoric and English Literature, Logic, Metaphysics and Ethics.

Finlay Malcolm Maclennan, Ontario. First-class in Mathematics and Natural Philosophy.

George Ritchie, Ontario. First-class in Classics, History, Rhetoric and English Literature, Logic, Metaphysics and Ethics.

1879.

William Briden, Ontario. First-class in Classics.

Hugh H. McMillan, Ontario. Second-class in Mathematics and Natural Philosophy.

Daniel McTavish, Ontario. First-class in Classics.

William Stewart, Ontario. First-class in Mathematics and Natural Philosophy.

1880.

Adam R. Linton, Ontario. First-class in Classics.

Archibald B. McCallum, Ontario. First-class in Mental and Moral Philosophy.

1881.

John P. Hume, Ontario. First-class in Mathematics and Physics.

Bidwell N. Davis, Ontario. First-class in Mathematics.

Bidwell N. Davis, Ontario. First-class in Chemistry.

John P. Hume, Ontario. First-class in Chemistry.

Adam R. Linton, Ontario. Second-class in Chemistry.

Adam R. Linton, Ontario. First-class in Mental and Moral Philosophy.

Daniel McTavish, Ontario. First-class in Mental and Moral Philosophy.

James R. O'Reilly, Ontario. First-class in Political Economy.

Roderick McKay, Nova Scotia. First-class in Latin.

Samuel W. Dyde, Ontario. First-class in Latin.

Alexander L. Smith, Ontario. Second-class in Latin.

Richard W. Irvine, Ontario. Second-class in Latin.
Samuel W. Dyde, Ontario. First-class in Greek.
Alexander L. Smith, Ontario. First-class in Greek.
Henry C. Fowler, Ontario. First-class in History.
Arpad Givan, Ontario. First-class in History.
John Young, Ontario. First-class in History.
Henry C. Fowler, Ontario. First-class in English Literature.
Arpad Givan, Ontario. First-class in English Literature.
John Young, Ontario. First-class in English Literature.

GOLD MEDALLISTS FROM 1878.

1878.

George Macdonald, Ontario. In Mental and Moral Philosophy.
Finlay M. MacLennan, Ontario. In Mathematics.
William Briden, Ontario. In Greek.

1879.

Adam R. Linton, Ontario. In Greek.
William Stewart, Ontario. In Mathematics.
James M. Dupuis, Ontario. In Chemistry.
Matthew McKay, Ontario. In History.
Archibald B. McCallum, Scotland. In Political Economy.

1880.

Lewis W. Shannon, B.A., Ontario. In Chemistry.
Archibald B. McCallum, Ontario. In Mental and Moral Philosophy.
Daniel McTavish, Ontario. In History.
Henry T. Shibley, Ontario. In Political Economy.

1881.

Samuel W. Dyde, Ontario. In Classics.
John P. Hume, Ontario. In Mathematics and Physics.
John P. Hume, Ontario. In Chemistry.
Adam R. Linton, Ontario. In Mental and Moral Philosophy.
Henry C. Fowler, Ontario. In History and English Literature.
James R. O'Reilly, Ontario. In Political Economy.

GRADUATE LIST.

B.A.

William G. Brown,
Bidwell N. Davis,
James J. Downing,
Henry C. Fowler,
John P. Hume,
James Hutcheson,
Paul F. Langill,
Adam R. Linton,
Hugh McPhadyen,
Daniel McTavish,
William Meikle,
John Moore,
Herbert M. Mowat,
Peter M. Pollock,
William Rothwell,
Henry T. Shibley,

Alexander MacTavish, William J. Smyth,
George McArthur, Marcus S. Snook,
Roderick McKay, James Somerville,
Lewis Lewis, B.A., of Lampeter College, *ad eundem gradum.*

M.A.

John C. Cattanach, B.A., James Ross, B.A.,
Archibald B. McCallum, B.A.

B.D.

James Ross, B.A.

M.D.

William J. Gibson, B.A., John H. Betts,
Joseph S. McGurn, David A. Johnston,
David Wallace, Richard Coughlan,
Edmund Oldham, John Jamieson,
James F. O'Shea, *Benjamin J. McConnell,
*James M. Dupuis, David H. Rogers,
Francis R. Alexander, Samuel H. Snider,
Anthony W. Herrington, Thomas J. Symington,
†William A. Lavell.

*Passed his examinations for graduation and will receive his degree when he is of age.

†Passed his examinations last session but not then of age.

LL.D.

Sir William Young, Chief Justice of Nova Scotia.
Alphæus Todd, Chief Librarian of the Parliament of Canada.
Louis Honore Frechette, Montreal.

D.D.

Rev. Donald Macrae, M.A., St. John, N.B
Rev. James Nish, Sandhurst, Victoria.

PRIZE AND SCHOLARSHIP LIST.

UNIVERSITY PRIZES, 1881.

Roderick McKay (Governor General's). For the highest rank at the sessional examination in three subjects.

Thomas G. Marquis. For a Prize Poem.

James Ross, B.A. (Lewis). For the best Lecture on Mat. v. 3-12.

James W. Mason, B.A. (Almonte). For the best model of prayer for forenoon service.

James F. O'Shea (Macpherson). For the best Essay on the Influence of Britain on India.

A. Maria Harman (Thorburn). For the best history of the County of Frontenac.

Adam R. Linton (McBean). For the best Essay on Evolution in its relations to Biology and Philosophy.

Donald McCannel, B.A. For punctuality and regularity during an attendance of seven years, Mr. McCannel having never once been either absent from his class or late.

PRINCE OF WALES PRIZEMEN FROM 1869.

1869—Robert Crawford, Kingston.
1870—Thomas H. McGuire, Kingston.
1871—Hugh Urquhart Bain, Perth.
1872—Archibald P. Knight, Renfrew.
1873—William Arthur Lang, Almonte.
1874—Donald Malcolm McIntyre, Kingston.
1875—Thomas Dickie Cumberland, Rosemont.
1876—John Brown McLaren, Kingston.
1877—John Reeve Lavell, Kingston.
1878—David Alexander Givens, Kingston.
1879—Matthew McKay, Bradford.
1880—William Briden, Bath.

CLASS PRIZES, 1881.

Given for written examinations during the Session, unless where otherwise specified.

SENIOR GREEK.

1 S. W. Dyde,
2 W. Nicol, D. E. Mundell, } Equal.
3 W. Chambers,
4 A. L. Smith,
5 J. McLeod.

JUNIOR GREEK.

1 A. Gandier, C. J. Cameron, } Equal.
2 J. Connell,
3 R. J. McLennan,
4 H. Halliday,
5 D. W. Stewart,
6 L. Perrin,
7 J. Cooke,
8 J. P. McNaughton,
9 A. McLachlan.

SENIOR LATIN.

1 S. W. Dyde,
2 A. Givan, D. E. Mundell, } Equal.
3 A. L. Smith,
4 W. Chambers,
5 R. K. Ovens,
6 J. Steele,
7 J. McLeod.

JUNIOR LATIN.

1 A. Gandier,
2 C. J. Cameron,
3 G. F. Henderson,
4 J. Cooke,
5 J. Connell,
6 R. J. McLennan,
7 D. W. Stewart,
8 J. P. McNaughton,
9 L. Perrin,
10 H. Halliday.

JUNIOR FRENCH.

1 W. Nicol,
2 G. F. Henderson,
3 A. L. Fowler.

HISTORY.

1 J. Young, R. K. Ovens, } Equal.
2 A. Givan,
3 A. L. Smith,
R. Gow,
4 H. C. Fowler, W. J. Shanks, } Equal.
5 J. R. Johnston,
6 A. McRossie.

ENGLISH LANGUAGE AND LITERATURE.

1 A. Gandier,
2 J. R. Johnston,
3 A. McRossie, A. Stevenson, } Equal.
4 W. G. Brown,
5 Æ. J. Macdonnell.

For best Essays during Session—W. G. Brown.

JUNIOR PHILOSOPHY.

(a.) Metaphysics and Ethics.

1 J. Hay,
2 A. Shortt.

For written Examinations—J. Hay.

(b) Logic—A. Shortt.

(c) Political Economy—J. Hay.

SENIOR PHILOSOPHY.

1 A. R. Linton,
2 D. McTavish,
3 J. R. O'Reilly.

For written Examinations—D. McTavish.

JUNIOR CHEMISTRY.

W. Nicol.

SENIOR CHEMISTRY.

1 J. F. Kidd, J. Hume, } Equal.
2 B. N. Davis,
3 D. B. Rutherford, J. M. Stewart, } Equal.

NATURAL SCIENCE.

1 W. Meikle,
2 A. J. Stevenson,
3 D. McTavish.

SENIOR PHYSICS.

Roderick McKay.

JUNIOR PHYSICS.

J. Hay.

Merit in Junior and Senior Physics—W. Spankie.

JUNIOR MATHEMATICS.

1 A. Gandier,
2 R. J. McLennan,
3 D. W. Stewart,
4 J. Connell, H. Halliday, } Equal.

SENIOR MATHEMATICS.

1 Roderick McKay,
2 A. Givan.

HEBREW.

First Year.

W. Meikle.

Third Year.

J. W. Mason, B.A.
J. Chisholm, B.A.

CHURCH HISTORY.

J. Ross, B.A.

THEOLOGY AND APOLOGETICS.

J. Ross, B.A.

SCHOLARSHIPS.

ARTS.

1880-1.

1. MATRICULATION EXAMINATION.

Alfred Gandier (Gunn) with honor of Watkins, Leitch Memorial No. 1, and Rankine, General Proficiency.
George F. Henderson (Mackerras Memorial), Latin and Greek.
Vere Hooper (Watkins) with honor of Mowat, General Proficiency. —limited to pupils of Kingston Collegiate Institute.
Henry Halliday (McNab and Horton), Mathematics.
Roderick J. McLennan (Leitch Memorial No. 1), Mathematics.
Daniel W. Stewart (Mowat), Oral examination in Arithmetic.
Charles J. Cameron (Tassie), Classics.
Louis Perrin (Rankine), English.

2. SESSIONAL EXAMINATION.

Stephen Childerose (Glass Memorial), Junior Mathematics.
William Meikle (St. Andrew's, Toronto), Senior Chemistry.
Adam Shortt (Grant), Junior Philosophy.
John Hay (Toronto), Junior Physics. Honour of Grant.
William Nicol (Kingston), Junior French.
James Connell (McGillivray), Junior Latin.
Daniel McTavish (Reekie), Natural Science.
Arpad Givan (Cataraqui), History.
Roderick McKay (McIntyre), Senior Mathematics. Honour of Buchan No. 2.
Charles J. Cameron (Church No. 1.), Junior Greek. Honour of McGillivray.
Alfred Gandier (Church No. 2), Rhetoric and English Literature.
Adam R. Linton)Buchan No. 1), Senior Philosophy.
William Spankie (Buchan No. 2), Senior Physics.

THEOLOGY.

1. MATRICULATION EXAMINATION.

Leslie W. Thom (Dow). David Forrest (Buchan No. 3.)

2. SPECIAL SUBJECTS.

James W. Mason, B.A. (Church of Scotland No. 2), for the best examination in Ps. 1-xxv in Hebrew.

John Chisholm, B.A. (Church of Scotland No. 3), for the best examination in Butler's Analogy.

PASSMEN.

ARTS.

October, 1880.

JUNIOR LATIN.

1 N. Campbell, 2 L. Ross.

JUNIOR MATHEMATICS.

J. S. Skinner.

SENIOR MATHEMATICS.

J. Moore.

NATURAL PHILOSOPHY.

D. Forrest.

RHETORIC AND ENGLISH LITERATURE.

1 F. J. Bamford, 2 H. T. Shibley.

HONOURS IN RHETORIC AND ENGLISH LITERATURE.

D. McTavish.

LOGIC AND METAPHYSICS.

P. F. Langill.

SENIOR MATRICULATION IN LOGIC.

J. Hay.

ETHICS.

J. I. Downing.

CHEMISTRY.

I. Newlands.

JUNIOR LATIN.

April 1881.—*Order of Merit.*

1 C. J. Cameron,
2 A. Gandier,
3 J. Connell,
4 G. F. Henderson,
5 R. J. McLennan,
6 J. Cooke,
7 J. Kennedy,
8 A. McLachlan,
9 C. A. Scott,
10 J. P. McNaughton,
11 D. W. Stewart,
12 L. Perrin,
13 A. J. Macdonnell,
14 H. Halliday,
15 V. Hooper,
16 T. Bertram,
17 G. Y. Chown,
18 J. R. Shannon,
19 S. Childerose,
20 H. M. McCuaig,
21 T. G. Marquis,
22 A. G. Farrell,
23 T. H. McGuirl,

SENIOR LATIN.

1 S. W. Dyde,
2 A. Givan,
3 D. E. Mundell,
4 W. Chambers,
5 R. K. Ovens,
6 A. L. Smith,
7 J. Steele,
8 A. McLeod,
9 J. McLeod,
10 P. M. Pollock,
11 R. Gow,
12 A. Shortt,
13 P. F. Langill,
14 J. A. Grant,
15 W. G. Brown,
16 T. T. Renton,
17 J. S. Skinner,
18 A. F. Goold,
19 R. L. Smith,
20 J. Murray,
21 H. W. Westlake,
22 J. M. Shaw,
23 A. Ferguson,
24 N. Campbell,
25 W. H. Macnee,
26 A. Paterson,
27 L. Ross.

JUNIOR GREEK.

1 C. J. Cameron,
2 A. Gandier,
3 J. Connell,
4 R. J. McLennan,
5 D. W. Stewart,
6 H. Halliday,
7 J. Cooke,
8 J. P. McNaughton,
9 R. K. Ovens,
10 L. Perrin,
11 G. Y. Chown,
12 T. Bertram,
13 H. M. McCuaig,
14 A. McRossie,
15 C. A. Scott,
16 J. R. O'Reilly,
17 C. L. Herald.

SENIOR GREEK.

1 S. W. Dyde,
2 W. Nicol,
3 D. E. Mundell,
4 A. L. Smith,
5 W. Chambers,
6 H. M. Froiland,
7 J. McLeod,
8 A. Shortt,
9 J. Steele,
10 T. T. Renton,
11 J. Murray,
12 J. S. Skinner,
13 A. J. Goold,
14 A. McAulay,
15 W. H. Macnee,
16 R. L. Smith,
17 R. C. Murray,
18 A. MacTavish,
19 J. M. Shaw,
20 A. Paterson.

JUNIOR MATHEMATICS.

1 R. J. McLennan,
2 J. Connell,
3 H. Halliday,
4 G. Y. Chown,
5 D. W. Stewart,
6 G. F. Henderson,
7 S. Childerose,
8 R. Gow,
9 A. L. Fowler,
10 J. P. McNaughton,
11 J. Cooke,
12 A. G. Farrell,
13 A. McLachlan,
14 M. Givens,
15 C. Devana,
16 A. J. Macdonnell,
17 J. H. Greaves.

SENIOR MATHEMATICS.

1 R. McKay,
2 A. Givan.

JUNIOR CHEMISTRY.

1 W. Nicol,
2 T. T. Renton,
3 S. W. Dyde,
4 A. C. Morris,
5 A. L. Fowler,
6 W. Morris,
7 H. E. Young,
8 S. W. Hobart,
9 J. S. Skinner,
10 P. F. Langill,
11 P. M. Pollock,
12 L. Ross,
13 W. J. Shanks,
14 R. L. Smith,
15 N. Campbell,
16 A. J. Goold,
17 W. H. Macnee,
18 R. C. Murray,

SENIOR CHEMISTRY.

Arts Division.

1 B. N. Davis,
2 J. P. Hume,
3 W. Meikle,
4 A. R. Linton,
5 H. M. Froiland,
6 J. Hay,
7 W. G. Brown,
8 J. Young.

Medical Division.

1 J. M. Stewart,
2 R. W. Garrett,
3 D. B. Rutherford,
4 A. P. Cornell,
5 C. E. Jarvis,
6 G. H. Denike,
7 C. A. B. Fry,
8 R. S. Anglin.

JUNIOR PHILOSOPHY.

1 J. Hay,
2 A. Shortt,
3 J. A. Grant,
4 J. Murray,
5 W. J. Shanks,
6 J. McLeod,
7 A. J. Stevenson,
8 J. R. Johnston,
9 A. McLaren,
10 E. Forrester,
11 R. C. Murray,
12 R. W. Irvine,
13 H. B. Rathbun,
14 H. W. Westlake,
15 H. E. Young,
16 A. McAulay,
17 E. H. Britton.

METAPHYSICS ALONE.

1 A. A. Pratt,
2 M. S. Robertson.

LOGIC ALONE.

A. Paterson.

POLITICAL ECONOMY ALONE.

R. H. Pringle.

SENIOR PHILOSOPHY.

1 A. R. Linton,
2 D. McTavish,
3 J. R. O'Reilly,
4 A. MacTavish,
5 J. Hutcheson,
6 W. J. Smyth,
7 P. M. Pollock,
8 J. Moore,
9 H. McPhadyen,
10 J. Somerville,
11 J. Anderson,
12 M. S. Snook,
13 H. T. Shibley,
14 G. McArthur,
15 W. Rothwell,

ENGLISH LITERATURE.

1 A. Gandier,
2 H. C. Fowler,
3 A. McRossie,
4 A. J. Stevenson,
5 W. G. Brown,
6 J. P. Hume.
7 J. Kennedy,
8 J. R. Johnston,
9 J. I. Downing,
10 P. F. Langill, M. Givens, } Equal.
11 J. H. Greaves,
12 S. Childerose,
13 A. C. Morris,
14 T. Bertram,
15 A. McLeod,
16 A. J. Macdonnell,
17 T. G. Marquis,
18 D. Munro,
19 J. Dunning,
20 W. Morris,
21 E. Forrester,
22 G. L. G. Gordon,
23 A. G. Farrell,
24 V. Hooper,
25 H. M. Mowat,
26 J. R. Shannon,
27 T. H. McGuirl,
28 J. Somerville,
29 C. L. Herald,
30 A. McLaren.

HISTORY.

1 A. Givan,
2 A. McRossie,
3 J. Young,
4 A. McLeod,
5 R. Gow,
6 J. R. Johnston,
7 H. C. Fowler,
8 R. K. Ovens,
9 A. L. Smith.
10 J. Steele,
11 W. J. Shanks,
12 H. M. Mowat,
13 E. Forrester,
14 S. W. Hobart,
15 H. B. Rathbun,
16 D. Munro,
17 N. Campbell.

JUNIOR PHYSICS.

1 J. Hay,
2 W. Spankie,
3 W. J. Smyth,
4 F. J. Bamford,
5 R. W. Irvine,
6 C. A. Scott,
7 C. R. Flanders.

SENIOR PHYSICS.

1 Roderick McKay,
2 W. Spankie,
3 W. Rothwell,
4 R. W. Irvine.

NATURAL SCIENCE.

Arts Division.

1 W. Meikle,
2 D. McTavish,
3 A. J. Stevenson,
4 J. Somerville,
5 H. M. Froiland,
6 J. Hutcheson.
7 H. T. Shibley,
8 W. J. Smyth,
9 J. Moore,
10 W. Morris,
11 A. C. Morris,
12 A. McLaren,
13 R. H. Pringle,
14 H. McPhadyen.

Medical Division.

1 W. G. Anglin,
2 J. F. Kidd,
3 T. A. Moore,
4 W. J. Young,
5 R. W. Garrett,
6 C. A. B. Fry,
7 D. B. Rutherford,
8 C. Clancy,
9 A. P. Cornell,
10 C. G. McCammon,
11 R. S. Anglin,
12 G. H. Denike,
13 L. T. Davis,
14 A. D. Cameron.

JUNIOR FRENCH.

1 W. Nicol,
2 J. H. Greaves,
3 A. L. Fowler,
4 M. Givens,
5 G. F. Henderson.

THEOLOGY.

DIVINITY.

1 James Ross, B.A.,
2 J. W. Mason, B.A.,
3 D. McCannel, B.A.,
4 J. Andrew,
5 J. Chisholm, B.A.,
6 M. S. Oxley, B.A.,
7 G. McArthur, W. E. D'Argent, } Equal.
8 L. W. Thom,
9 W. S. Smith.

APOLOGETICS.

1 J. Ross, B.A.,
2 J. Chisholm, B.A.,
3 D. McCannel, B A.,
4 G. McArthur,
5 D. Forrest,
6 L. W. Thom,
7 W. S. Smith.

CHURCH HISTORY.

1 J. Ross, B.A.,
2 J. Chisholm, B.A.,
3 J. Andrew,
4 D. Forrest,
5 L. W. Thom,
6 J. W. Mason, B.A.,
7 W. E. D'Argent,
8 W. S. Smith,
9 G. McArthur.

GREEK TESTAMENT.

1 J. W. Mason, B.A.,
2 D. McCannel, B.A.,
3 L. W. Thom,
4 J. Chisholm, B.A.,
5 M. S. Oxley, B.A.,
6 G. McArthur,
7 W. S. Smith,
8 D. Forrest.

BIBLICAL ANTIQUITIES.

1 J. Ross, B.A.,
2 J. W. Mason, B.A.,
3 J. Chisholm, B.A.,
4 D. McCannel, B.A.,
5 M. S. Oxley, B.A.,
6 D. Forrest,
7 L. W. Thom,
8 G. McArthur,
9 W. S. Smith.

HEBREW.

First Year.

W. Meikle.

Second Year.

J. Andrew.

Third Year.

1 D. McCannel, B.A.,
2 J. W. Mason, B.A.

MEDICINE.

PRIMARY EXAMINATION.—ORDER OF MERIT.

1 R. W. Garrett,
2 J. M. Stewart,
3 D. B. Rutherford,
4 A. P. Cornell,
5 G. H. Denike,
6 C. E. Jarvis,
7 R. S. Anglin,
8 C. A. B. Fry.

A. D. Cameron in all subjects but Chemistry. J. A. Hamilton, A. A. Mordy, and J. L Reeve in Materia Medica, Institutes of Medicine and Botany. C. Clancy, L. T. Davis, and C. G. McCammon in Institutes of Medicine.

FINAL EXAMINATION.

The Medical Graduates above named.

LIST OF STUDENTS, SESSION 1880-1.

IN ARTS.

Those marked with an asterisk, thus (*) are students for the Ministry of the Presbyterian Church in Canada.

Name and Residence.	Year of Attendance.	Summer Residence.	Where Educated.
Allan, L. L., Kingston	1	Kingston	
*Anderson, Joseph, Heckston	3	Wolfe Island	Kemptville H. S.
*Andrew, Joseph, Muskoka	2	Kingston	
Anglin, James Vickers, Kingston	5	Hawkesbury	Kingston C. I.
Anglin, R. S., Kingston	1	Kingston	Kingston C. I.
Anglin, W. G., Kingston	1	Kingston	Kingston C. I.
Bamford, Fred. J., Kingston	4	Kingston	Kingston C. I.
Bertram, Thomas, Dundas	1	Dundas	Dundas H. S.
Bethune, Wm. S., Wingham	2	Wingham	Galt C. I.
Britton, Edward H., Kingston	2	Kingston	Trin. Col. Sch., Port Hope.
Brown, Wm. G., Pickering	3	Pickering	Hamilton C. I.
Bullis, Wm. H., Chatham	1	Chatham, Ont	
Cameron, Alex. D., Lancaster	1	Lancaster	Williamstown H. S.
*Cameron, Charles J., Lochiel	1	Huntsville	Harvard University.
*Campbell, John C., Dunvegan	1	Dunvegan, Glengary	Pembroke H. S.
*Campbell, John R., Smith's Falls	2		Kingston C. I.
*Campbell, Neil, Nottawa	2	Nottawa	Collingwood H. S.
Carruthers, George, P. E. I	1	N. Bedique, P. E. I	P. of Wales' Col., P. E. I.
Cartwright, Richard C., Kingston	1	Kingston	Privately.
Chambers, Wm., Sunbury	2	Sunbury	Kingston C. I.
*Childerose, Stephen, Cobden	1	Cobden	Kingston C. I.
Chown, Geo. Y., Kingston	1	Kingston	Kingston C. I.
Clancy, Charles, Chatham, O	1	Chatham	Assumption Col., Sandwich.
Connell, James, Dundas	1	Dundas	Dundas H. S.

Cooke, John, Cataraqui	1	Cataraqui	Kingston C. I.
Cornell, Albert P., Portsmouth	1	Portsmouth	Berlin H. S.
Cumberland, Thomas, Rosemont	1	Winchester Springs	Privately.
Daly, Edwin, Napanee	2	Napanee	Napanee H. S.
*D'Argent, Wm. E., Wolfe Island	5	Minnesota	
Davis, Bidwell N., Pittsburgh	4	Pittsferry	Albert Col., Belleville.
Denike, Geo. H., Belleville	1	Belleville	
Devana, Chaffey, Sydenham	2	Loughboro	Sydenham H. S.

Clancy, Charles, Chatham, O.....	1	Chatham	Assumption Col., Sandwich.
Connell, James, Dundas.....	1	Dundas	Dundas H. S.

Cooke, John, Cataraqui.....	1	Cataraqui	Kingston C. I.
Cornell, Albert P., Portsmouth.....	1	Portsmouth	Berlin H. S.
Cumberland, Thomas, Rosemont.....	1	Winchester Springs.....	Privately.
Daly, Edwin, Napanee.....	2	Napanee	Napanee H. S.
*D'Argent, Wm. E., Wolfe Island....	5	Minnesota..	
Davis, Bidwell N., Pittsburgh.....	4	Pittsferry	Albert Col., Belleville.
Denike, Geo. H., Belleville.....	1	Belleville	
Devana, Chaffey, Sydenham.....	2	Loughboro....	Sydenham H. S.
Dickson, A, E., Kingston.....	1	Kingston.....	Private school.
Duff, H, Ramsay, Kingston.....	4	Kingston.....	Kingston C. I.
Dunning, Jesse, Demorestville.....	1	Demorestville..	
*Dyde, Samuel W., Ottawa.....	2	Ottawa..	Ottawa C. I.
Emery, Horatio J., Lambton.....	1	Rutherford.....	Sydenham H. S.
Farrell, Alex. G., Kingston.....	1	Kingston.....	
Feek, Robert G., Guelph.....	4	Hudson, Q..	Cobourg C. I.
Ferguson, Archibald, Kingston.....	3	Kingston	Camstadt, Germany.
Flanders, Charles R., Kingston.....	1	Kingston.....	Victoria Col., Cobourg.
Forin, Alex., Belleville.....	1	Belleville..	Privately.
*Forrest, David, Mt., Albert	2	Apsley.....	University Col., Toronto.
Forrester, Edgar, Mallorytown.....	3	Mallorytown	Brockville H. S.
Fowler, A. L,, Kingston.....	1	Kingston.....	Fredericton H. S.
Fowler, Henry C., Kingston.....	4	Carleton Place.....	Kingston C. I.
Foxton, Edward, Brockville.....	1	Brockville	
Fraser, Robert N., Westmeath.....	1	Westmeath	Westmeath P. S.
Froiland, Herman M., Kingston.....	3	Kingston.....	Kingston C. I.
Fry, Charles A. B., Mill Haven.....	2	Mill Haven	Kingston C. I.
*Gandier. Alfred, Fort Coulonge, Q..	1	Shelburne, Ont.....	Kingston C. I.
Garrett, R. W., Barriefield.....	1	Barriefield	
Gibson, Wm. J., Kingston.....	5	Kingston.....	
Givan, Arpad, Campbellford.....	2	Campbellford	Campbellford H. S.
Givens, M., Kingston.....	1	Kingston.....	Kingston C. I.

Name and Residence.	Year of Attendance.	Summer Residence.	Where Educated.
Goold, Arthur J., Kingston	2	Kingston	Halifax H. S.
Gordon, G. L. Gower, Guelph	1	Guelph	Guelph H. S.
*Gow, Robert, Wallacetown	2	Wallacetown	St. Thomas H. S.
Graham, Frank, Portsmouth	1	Portsmouth	Mills' Academy.
Grange, Alfred J., Napanee	1	Napanee	Napanee H. S.
*Grant, James A., Guelph	2	Ellenburn, Guelph	Duff P. S., Scotland.
Greaves, J. H., Kingston	1	Kingston	Kingston C. I.
Hall, Wm., Waterford	1	Waterford	Brantford C. I.
*Halliday, Henry, Renfrew	1	Renfrew	Renfrew H. S.
*Hay, John, Pinkerton	3	Farmersville	Privately.
*Hay, Wm., Paisley	2	S. Finch	McGill Col., Montreal.
Heath, Fred. C., Kingston	5	Kingston	Kingston C. I.
Henderson, Geo. F., Kingston	1	Kingston	Kingston C. I.
*Henderson, Johnson, Nova Scotia	1	Pictou, N. S.	Pictou Academy, N. S.
*Herald, Charles L., Dundas	1	Muskoka	Dundas H. S.
Herring, James E., Napanee	1	Napanee	Napanee H. S.
Hobart, Samuel M., Kingston	2	Kingston	Kingston C. I.
Hooper, Vere, Kingston	1	Kingston	Kingston C. I.
Hume, John P., Burnbrae	4	Burnbrae	Campbellford H. S.
Hutcheson, James, Brockville	4	Brockville	Brockville H. S.
Irvine, Richard W., Hastings	3		Albert Col., Belleville.
Jarvis, Charles E., Nilestown	1	Nilestown	
Johnston, Joshua R., Chesterville	3	Chesterville	Morrisburgh H. S.
Joliffe, F. W., Kingston			
Keith, Silvanus, Pictou, N. S.	1	Pictou Co., N. S.	Stellarton H. S.
Kennedy, John, Pembroke	1	Pembroke	Pembroke H. S.
Kidd, John F., Kingston	1	Kingston	Kingston C. I.
*Langill, Paul F., River John, N. S.	3	Dominion City, Manitoba.	Pictou Academy, N. S.
*Linton, Adam R., Orono	4	Orono	Privately.

Macdonnell, Aeneas J., Morrisburgh	1	Morrisburgh	Trin. Col. S., Port Hope.
Mackie, David H., Belleville	1	Belleville	Albert Col., Belleville.
Macnee, Walter H., Kingston	2	Kingston	Kingston C. I.
*MacTavish, Alex., Drummond	5	Severn Bridge	Drummond P. S.
McArthur, Charles, Beaverton	2	Beaverton	U. C. College.
*McArthur, George, Kincardine	6	S. Finch	Kincardine H. S.
*McArthur, John M., Martintown	3	Chicago	Kingston C. I.
*McAulay, Alex., Pictou, N. S.	2	Pictou	

Kidd, John F., Kingston	1	Kingston	Kingston C. I.
*Langill, Paul F., River John, N. S.	3	Dominion City, Manitoba.	Pictou Academy, N. S.
*Linton, Adam R., Orono	4	Orono	Privately.

Macdonnell, Aeneas J., Morrisburgh	1	Morrisburgh	Trin. Col. S., Port Hope.
Mackie, David H., Belleville	1	Belleville	Albert Col., Belleville.
Macnee, Walter H., Kingston	2	Kingston	Kingston C. I.
*MacTavish, Alex., Drummond	5	Severn Bridge	Drummond P. S.
McArthur, Charles, Beaverton	2	Beaverton	U. C. College.
*McArthur, George, Kincardine	6	S. Finch	Kincardine H. S.
*McArthur, John M., Martintown	3	Chicago	Kingston C. I.
*McAulay, Alex., Pictou, N. S.	2	Plevna	Pictou Academy, N. S.
McCammon, Colin G., Gananoque	2	Gananoque	Gananoque H. S.
McCuaig, Herbert M., Kingston	1	Kingston	Kingston C. I.
McDonald, Hugh H., Lake Ainslie, N.S.	1	Lake Ainslie, N. S.	Pictou Academy, N. S.
McGhee, Geo. S., Elgin	1	Elgin	Kingston C. I.
McGillivray, A., Brantford	1	Rideau	Brantford C. I.
McGuirl, Thomas H., Kingston	1	Kingston	Kingston C. I.
McKay, Robert, Kingston	2	Kingston	Clyne P. S., Scotland.
*McKay, Roderick, Pictou, N. S.	1	Pictou, N. S	Dalhousie Col. N. S.
*McLachlan, Alex., Erin	1	Erin	Toronto C. I.
*McLaren, Archibald, Lakeside	3	Manitoba	Brantford C. I.
*McLean, Donald A., Stormont	4	Kirkhill	Morrisburgh H. S.
McLennan, Roderick J., Lindsay	1	Lindsay	Lindsay H. S.
McLeod, Alex., South Finch	3	Iroquois	Iroquois H. S.
*McLeod, Alex. K., Laggan	3	Consecon	Woodstock Bap. Col.
*McLeod, John, Belfast, P. E. I.	2		P. of Wales Col. P. E. I.
McMurchy, Archibald, Pembroke	1	Pembroke	
McNab, Frank, Pittsburgh	1	Pittsburgh	Kingston C. I.
McNaughton, Jas. P., Dominionville	1	Dominionville	Hamilton C. I.
*McNiel, John	1	Mattawatchan	Victoria Co. Academy, C. B.
McPhadyen, Hugh	1	Manilla	Univ. Col. Toronto.
McRossie, Allan, Kingston	1	Kingston	Kingston C. I.
*McTavish, Daniel, Scone	4	Camilla	Galt C. I.
Marquis, Thos. G., Chatham, N. B.	1	Chatham, N. B.	Chatham Gr. Sch., N. B.

Name and Residence.	Year of Attendance.	Summer Residence.	Where Educated.
*Meikle, Wm., New Glasgaw, N. S....	4	Middleville.....	New Glasgow, G. Sch.
*Moore, John, Phillipston.....	4	Phillipston.....	Privately.
Morris, Alex. C., Toronto.....	2	Toronto.....	St. John's Col., Winnipeg.
Morris, Wm., Toronto.....	2	Toronto.....	St, John's Col., Winnipeg.
Mowat, Herbert M., Kingston.....	4	Kingston.....	Kingston C. I.
Mundell, David E., Kingston.....	2	Kingston.....	Kingston C. I.
*Munro, Donald, South Finch.....	1	Kingston.....	Pacific Col., Cal.
*Murray, James, New Glasgow.....	4	Scotsburn, Pictou, N. S..	Pictou Academy, N. S.
*Murray, Robert C., Pictou. N. S.....	4	Watson's Corners.....	Pictou Academy, N. S.
Newlands, Isaac, Manitoba.....	3	Winnipeg, Man.....	Kingston C. I.
Nicol, Wm., Cataraqui.....	2	Cataraqui	Kingston C. I.
O'Reilly, Jas. R., Toronto.....	4	Toronto..	Kingston C. I.
Ovens, Rufus K., Wilton.....	2	Wilton..	Napanee H. S.
*Paterson, Andrew, Richmond, Q....	2		St. Francis Col., Richmond,Q
*Perrin, Louis, Kincardine.....	1	Kincardine.....	Kincardine H. S.
*Pollock, Peter M., Kingston.....	4	Banks	St. Andrew's, Scotland.
Pomeroy, Chas. D., Brockville.....	1	Brockville	Albert Col., Belleville.
Pratt, Abraham A.....	2	N. Gower	Kingston C. I.
Pringle, Robert H., Brampton.....	1	Brampton	University Col., Toronto.
Rathbun, Herbert M., Desseronto....	3	Desseronto.....	Privately.
Reeve, John L., Clinton.....	1	Clinton	Woodstock H. S.
Renton, Thos. T., Kingston.....	2	Kingston.....	Kingston C. I.
Robertson, Miles, Whitby.....	2	Whitby	Privately.
Roche, Herrick, Kingston.....	1	Kingston.....	
Ross, Livingston, Fond du Lac.....	2	Fond du Lac, Wis..	Huntington G. Sch.
Roy, Edward S., Picton.....	1	Picton, O	
Roy, Henry, Picton.....	1	Picton, O	
Rutherford, David B., Belleville	2	Belleville	Albert Col., Belleville.
*Scott, Colin Alex., Sarnia.....	1	Sarnia.....	College, of N. Y.

*Shanks, Wm. J., Belleville.....	2	Charbot Lake	Kingston C. I.
Shannon, John R., Kingston.....	1	Kingston.....	Kingston C. I.
Shaw, John M., Williamsville.....	2	Williamsville.....	Kingston C. I.
Sheridan, Samuel, Columbus	1	Columbus	Toronto P. S.
Sherlock, John M., Kingston.....	2	Kingston.....	Kingston C. I.
Sherlock, Philip H., New York.....	1	Kingston.....	Kirgston. C I.
Shibley, Henry T., Kingston.....	4	Kingston.....	Kingston C. I.
*Shortt, Adam, Walkerton.....	2	Walkerton	Walkerton H. S.

Roy, Henry, Picton	1	Picton, O	
Rutherford, David B., Belleville	2	Belleville	Albert Col., Belleville.
*Scott, Colin Alex., Sarnia	1	Sarnia	College, of N. Y.

*Shanks, Wm. J., Belleville	2	Charbot Lake	Kingston C. I.
Shannon, John R., Kingston	1	Kingston	Kingston C. I.
Shaw, John M., Williamsville	2	Williamsville	Kingston C. I.
Sheridan, Samuel, Columbus	1	Columbus	Toronto P. S.
Sherlock, John M., Kingston	2	Kingston	Kingston C. I.
Sherlock, Philip H., New York	1	Kingston	Kingston. C I.
Shibley, Henry T., Kingston	4	Kingston	Kingston C. I.
*Shortt, Adam, Walkerton	2	Walkerton	Walkerton H. S.
Skinner, John S., Kingston	2	Kingston	Kingston C. I.
Smith, Alex. L., Cornwall	2	Cornwall	Cornwall H. S.
Smith, Robert L., Appleton	2	Appleton, Wis	Kingston C. I.
Snook, Marcus S., Kingston	5	Kingston	Kingston C. I.
*Somerville, James, Uxbridge	4	Demorestville	Privately.
*Spankie, Wm., Williamsville	3	Kingston	Kingston C. I.
*Steele, Jacob, Pinkerton	2	Pinkerton	Kingston C. I.
Stevenson, Alex. J., Minden	3	Minden	Brockville H. S.
Stewart, Daniel W., Renfrew	1	Renfrew	Renfrew H. S.
Stirling, John E., Prinyer, O	2	Prinyer, O	Bonnington Prk Acad, Scot.
Thom, James, Kingston	1	Kingston	Kingston C. I.
Thomson, Andrew, Walkerton	2	Walkerton	Walkerton H. S.
Webster, Wm. J., Napanee	1	Napanee	
Westlake, Henry W., Exeter	1	Exeter	Cobourg H. S.
Wightman, John R.		Kingston	
Williams, Herbert, P. E. Co	1	Rosehall, P. E. Co	Rosehall P. S.
Wright, Henry A., Kingston	2	Kingston	Kingston C, I.
Young, Henry E., Napanee	3	Napanee	Napanee H. S.
*Young, John, Colborne	3	L'Amable	Sydenham H. S.
Young, Wm. J., Carlow	1	Carlow	Goderich H. S.

IN THEOLOGY.

Name and Residence.	Year of Attendance.	Summer Residence.
Andrew, Joseph, Muskoka	2	Kingston
Chisholm, John B.A.	3	McIntyre's Corners.
D'Argent, Wm. E., Wolfe Island	2	Minnesota
Forrest, David, Mt., Albert	1	Apsley, O
Kellock, David, Kingston	3	Mill Haven
Mason, James W., B.A., Scotland	3	Pugwash, N. S.
McArthur, George, Kincardine	2	S. Finch, O
McCannel, Donald, B.A., Collingwood.	3	Kingston
Oxley, Malcolm S., B.A., Summerstown	2	E. Templeton, Q
Ross, James, B.A., Hyde Park	3	Perth
Smith, Wm. S., Scotland	1	Centreville
Thom, Leslie W., Belleville	1	Belleville

Name.	
Alexander, F.	
Anglin, R. S.	
Anglin, Wm. Ga	
Betts, J. Howar	
Bullis, Wm. He	
Cameron, A. D.	
Carruthers, Geo	
Cartwright, R. C	
Clancy, Charles	
Cornell, A. P.	
Coughlan, Richa	
Coutlee, N. H.	
Cumberland, Th	
Davis, L. T.	
Denike, G. H.	
Dowling, J. B.	
Dupuis, J. M.	
Elliott, J. Eph	
Emery, Horatio J	
Forin, Alexander	
Foxton, Edward,	
Fraser, Robert N	
Froiland, Herman	
Fry, Charles A. B	
Garrett, R. W.	
Gibson, A. E.	
Gibson, W. J.	
Grange, A. J.	
Hall, Wm.	
Hamilton, J. A.	
Herrington, A. W	
Jamieson, John	
Jarvis, Chas. E.	
Johnston, D. A.	
Keith, Silvanus	
Kidd, J. F.	
Knight, A. P.	
Koyl, Fred. T.	
Mackie, D. H.	
McCammon, C. G	
McCarthy, W. T	
McConnell, B. J	
MacDonald, Hugh	
McDowell, John	
McGhee, G. S.	
McGurn, J. S.	
McMurchy, Arch	
Moore, T. A.	

IN MEDICINE.

Name.	Residence.
Alexander, F. R	Ottawa.
Anglin, R. S	Kingston.
Anglin, Wm. Gardiner	Portsmouth.
Betts, J, Howard	Portsmouth.
Bullis, Wm. Henry	Chatham.
Cameron, A. D	Lancaster.
Carruthers, George	North Bedique, P. E. I.
Cartwright, R. C	Kingston.
Clancy, Charles	Wallaceburg.
Cornell, A. P	Portsmouth.
Coughlan, Richard	Hastings.
Coutlee, N. H	Aylmer, P.Q.
Cumberland, Thos	Rosemount.
Davis, L. T	Kingston.
Denike, G. H	Belleville.
Dowling, J. B	North Augusta.
Dupuis, J. M	Kingston.
Elliott, J. Eph	Exeter.
Emery, Horatio J	Rutherford.
Forin, Alexander	Belleville.
Foxton, Edward	Kingston.
Fraser, Robert Nelson	Westmeath.
Froiland, Herman M	Kingston.
Fry, Charles A. B	Mill Haven.
Garrett, R. W	Barriefield.
Gibson, A. E	Glenvale.
Gibson, W. J	Belleville.
Grange, A. J	Napanee.
Hall, Wm	Villa Nova.
Hamilton, J. A	Kingston.
Herrington, A. W	Carman City, Man.
Jamieson, John	Kars.
Jarvis, Chas. E	Nilestown.
Johnston, D. A	Consecon.
Keith, Silvanus	Stella, Pictou Co., N. S.
Kidd, J. F	Kingston.
Knight, A. P	Kingston.
Koyl, Fred. T	Brockville.
Mackie, D. H	Belleville.
McCammon, C. G	Gananoque.
McCarthy, W. T	Norwood.
McConnell, B. J	Pembroke.
MacDonald, Hugh N	Lake Ainslie, C. B.
McDowell, John	Shawville, Q.
McGhee, G. S	Elgin.
McGurn, J. S	Lonsdale.
McMurchy, Arch	Pembroke.
Moore, T. A	Kingston.

Mordy, A. A.. .....Almonte.
Oldham, Edmund.....Woodville, Ont.
O'Shea, James F..... .....Norwood.
Pomeroy, C. D.....Brockville.
Reeve, John T.... .....Clinton.
Rogers, D. H.....Gananoque.
Roy, Edward Shealds.... .....Picton.
Roy, Henry.... ....Picton.
Rutherford, D. B.....Belleville.
Sheridan, Samuel.....Columbus.
Sherlock, Philip H.... .....New York City.
Snider, S. H.....Niagara.
Stirling, J. E.....Prinyer.
Stewart, J. M.....Portsmouth.
Symington, T. J.....Camlachie.
Thom, James.....Kingston.
Wallace, David.....North Gower.
Webster, W. J.... .....Napanee.
Williams, H. J..... .....Rose Hall.
Young, W. J..... .....Carlow.

EXAMINATION PAPERS

— FOR —

SESSION 1880-81.

EXAMINATION PAPERS.

SESSION 1880-1.

FACULTY OF ARTS.

MATRICULATION EXAMINATION.

JUNIOR MATRICULATION.

ENGLISH LANGUAGE.

1. Analyse the following passages and parse the words in Italics :

Here rests his head upon the lap of earth
A youth to fortune and to fame *unknown*,
Fair science frown'd not on his humble birth,
And melancholy mark'd him for her own.

Large was his bounty, and his soul *sincere*,
Heaven did a recompense as *largely* send ;
He gave to misery all he had, a tear ,
He gained from Heaven ('twas all he wished) a friend.

No farther seek his merits to disclose,
Or draw his frailties from their dread abode.
(There they alike in trembling hope repose),
The bosom of his Father and his God.

—*Gray's Elegy.*

Could nature's bounty satisfy the breast,
The sons of Italy were surely blest.
Whatever fruits in different climes are found
That proudly rise, or humbly *court* the ground ;
Whatever blooms in torrid tracts appear,
Whose bright succession decks the *varied* year ;
Whatever sweets salute the northern sky
With vernal *lives*, that blossom but to die ;
These here *disporting* own the kindred soil,
Nor ask luxuriance from the planter's toil ;
While sea-born gales their gelid wings expand
To winnow fragrance round the smiling land.

—*The Traveller.*

2. When did Gray and Goldsmith write ? Name some of their poems besides "The Elegy" and

"The Traveller." Name some of the contemporary poets.

3. Scan the first stanza given above from "The Elegy," and the last two lines from "The Traveller."

4. Explain "vernal lives" and "court the ground."

5. Give the derivation of the following words :— melancholy, sincere, recompense, repose, trembling, satisfy, climes, humbly, blooms, torrid, vernal, disporting, luxuriance, gelid, fragrance.

Besides answering the above questions, candidates were required to write from dictation, and to compose a short essay.

JUNIOR MATHEMATICS.

1. Employ contracted processes and not more than six decimals in the solution of

$$\frac{1.414214}{8.449490} \times \frac{4.242641}{1.224755}$$

2. Find the value of $\frac{3\sqrt{3}}{\sqrt{2}-1}$

3. A, B, C, working together can do a work in 8 days. If they work together 2 days, then A and B can finish it in $8\frac{2}{11}$ days, A and C in 9 days, and B and C in ten days. In what time could each do it separately ?

4. The simple interest on a sum of money for 6 mos. at 6 per cent per annum is $10 greater than the interest on the same sum for 8 mos. at 4 per cent. Determine the sum.

5. Find the value of

$a^{-1}[c^2b^{-1}-c^{\frac{1}{2}}(c^{\frac{1}{2}}b^{-2}-a^{-1}b^0)]$
when $a=2$, $b=3$, $c=4$.

6. Divide $a^3+b^3+c^3-3abc$ by $a+b+c$; and find the remainder when $x^4-2x^3+3x^2-4x+5$ is divided by $x-1$.

7. Resolve $4b^2c^2-(b^2+c^2-a^2)2$ into four factors.

8. Find x from the equations:

i. $$\frac{x}{x+3}+\frac{2}{x-3}=1$$

ii. $$\frac{a}{a-x}+\frac{b}{b-x}-\frac{a+b}{a+b-x}=0$$

9. Given $a+b=2c$
$b+c=3d$
$d+a=4b$
To ond a, b, c, in terms of d.

10. If 19 lbs of gold weigh 18 under water, and 10 lbs. of silver weigh 9 under water; how much of each metal is in a mass which weighs 106 lbs. in air and 99 in water?

11. What in Geometry is meant by a theorem? by a problem? What instruments are allowed in the solution of problems?

12. Any two sides of a triangle are together greater than the third. Is this true of the angles? Show that the difference between any two sides is less than the third.

13. In a right-angled triangle the square upon the side subtending the right angle is equal to the sum of the squares upon the other two sides.

14. If $A\ C\ B$ be a triangle and $C\ D$ a perpendicular up $A\ B$. Then A $C^2-CB^2=AD^2-DB^2$.

15. $A\ B\ C$ is triangle right-angled at A, and $BCDE$ is a square upon BC. Denoting AB by c, and

A C by *b*, determine the length of the line *A E* in terms of *b* and *c*.

16. It is required to erect a perpendicular at the extremity of a straight line which cannot be produced. (No proof is required).

LATIN.

1. Cicero in Catilinam, II. and III.

I. Detail the leading incidents in the life of Cicero.

II. What were the circumstances which led him to deliver his orations against Catiline ?

III. (*a*) Translate II. 9 :

Alterum genus est eorum, qui, quamquam prænuntur ære alieno, dominationem tamen exspectant, rerum potiri volunt, honores quos quieta republica desperant, perturbata se consequi posse arbitrantur. Quibus hoc præcipiendum videtur, unum scilicet et idem quod ceteris omnibus, ut desperent id quod conantur se consequi posse.

(*b*) Parse : *ære, potiri, idem.* (*c*) Give the derivation of *genus, alieno, scilicet.* (*d*) Explain the construction of *rerum potiri ; volunt ; quibus hoc . . . posse.*

IV. (*a*) Translate II. 13 :

Quæ quidem ego neque mea prudentia, neque humanis consiliis fretus, polliceor vobis, Quirites, sed multis et non dubiis deorum immortalium significationibus, quibus ego ducibus in hanc spem sententiamque sum ingressus ; qui jam non procul, ut quondam solebant, ab externo hoste atque longinquo, sed hic præsentes suo numine atque auxilio sua templa atque urbis tecta defendant.

(*b*) Parse : *fretus, deorum.* (*c*) Explain the construction of *Quæ quidem . . . . vobis ; quibus ego ducibus.* (*d*) What prepositions govern the *accusative*, and the *ablative ?*

V. (*a*) Translate III. 7 :

Quæ nunc illo absente sic gesta sunt, ut nullum in privata domo furtum umquam sit tam palam inventum quam

hæc tanta in republica conjuratio manifeste inventa atque deprehensa est. Quod si Catilina in urbe ad hanc diem remansisset quamquam quoad fuit omnibus ejus consiliis occurri atque obstiti, tamen, ut levissime dicam, dimicandum nobis cum illo fuisset, neque nos unquam, quum ille in urbe hostis esset, tantis periculis rempublicam tanta pace, tanto otio, tanto silentio liberassemus.

(*b*) Give the compounds of *gero*, *curro*, *sto*. (*c*) Decline *domo*, *pace*. (*d*) Give the ancient divisions of Italy.

2. Translate into Latin : Many men are unfaithful to truth and friendship—a circumstance which is the cause of great unhappiness. We are of the opinion that praise should be given to the king that he may be more faithful. The government of Greece was within a little of being overthrown. There can be no doubt that diligence brings its own reward.

II. Translate into Latin, and use the Latin words subjoined : But when I had determined to write something to thee at this time, [and] many things hereafter, I wished especially to begin from that which is most suitable to thy age and to my influence. Sed quum statuo scribo ad te aliquis hic tempus, multus posthac, ab is ordior volo magis, qui et ætas tuus sum aptus et auctoritas meus.

SECOND PAPER.

I. Virgil : Eclogues I. iv. and vi.

1. Give the derivation and explain the meaning of *Bucoliicon*, *Ecloga*.

2. What writers did Virgil imitate in his Eclogues ?

3. Give the epitaph that was placed on his tomb.

4. (*a*) Translate i. 65—70 :

At nos hinc alii sitientis ibimus Afros,
Pars Scythiam et rapidum Cretæ veniemus Oaxen,

Et penitus toto divisos orbe Britannos.
En umquam patrios longo post tempore finis,
Pauperis et tuguri congestum cespite culmen,
Post aliquot, mea regna videns, mirabor aristas.

(*b*) Parse *ibimus, tuguri.*

5. (*a*) Translate iv. 15—20 :

Ille deum vitam accipiet, divisque videbit
Permixtos heroas, et ipse videbitur illis,
Pacatumque reget patriis virtutibus orbem.
At tibi prima, puer, nullo munuscula cultu,
Errantes hederas passim cum baccare tellus
Mixtaque ridenti colocasia fundet acantho.

(*b*) Decline *heroas.* (*c*) Scan vv. 16 and 20.

6. (*a*) Translate vi. 1—5 :

Prima Syracusio digiata est ludere versu
Nostra, neque erubuit silvas habitare Thalia.
Cum canerem reges et prœlia, Cynthius aurem
Vellit, et admonuit : Pastorem, Tityre, pingues
Pascere oportet oves, deductum dicere carmen.

(*b*) Parse *oportet.* (*c*) *Thalia.* Give the names of the other Muses. (*d*) Scan v. 2. (*e*) Explain *Syracusio versu. Cynthius.*

II. Ovid : Fasti. Book I.

1. What is the object of the *Fasti ?*

2. How did the Romans reckon the days of the month ?

3. (*a*) Translate vv. 139—142 :

Sic ego prospicio, cælestis janitor aulæ,
Eoas partes Hesperiasque simul.
Ora vides Hecates in tres vergentia partes,
Servet ut in ternas compita secta vias.

(*b*) Parse *Eoas, Hecates.* (*c*) Give the derivation of *Hesperias, compita.*

4. (*a*) Translate vv. 259—262 :

Ille manu mulcens propexam ad pectora barbam,
Protinus Oebalii rettulit arma Titi,
Utque levis custos armillis capta Sabinis
Ad summæ tacitos duxerit arcis iter,

(*b*) Explain the historical references in the extract. (*c*) Give a scale of the metre.

(*c*) Scan the extract. (*d*) Explain the terms *Cæsura, Echthlipsis, Penthemimeris.*

FRENCH.

FIRST PAPER.

Translate into English : Un Philosophe sous les toits. Chap II.

Six heures.—Je suis allé frapper chez le voisin, qui m'a ouvert luimême et auquel j'ai remis la lettre, enfin terminée et destinée à la veuve de son fils. M. Antoine m'a remercié avec effusion et m'a obligé à m'asseoir. C'était la première fois que j'entrais dans la mansarde du vieil amateur. Une tapisserie tachée par l'humidité, et dont les lambeaux pendent ça et là, un poêle éteint, un lit de sangle, deux chaises dépaillées en composent tout l'ameublement. Au fond, on aperçoit un grand nombre de cartons entassés et de toiles sans cadre retournées contre le mur.

Au moment où je suis entré, le vieillard était à table, dînant avec quelques croûtes de pain dur qu'il trempait dans un verre d'eau sucrée. Il s'est aperçu que mon regard s'arrêtait sur ce menu d'anachorète, et il a un peu rougi.

—Mon souper n'a rien qui vous tente, voisin! a-t il dit en souriant.

J'ai répondu que je le trouvais au moins bien philosophique pour un souper de carnaval. M. Antoine a hoché la tête et s'est remis à table.

—Chacun fête les grands jours à sa manière, a-t-il repris, en recommençant à plonger un croûton, dans son verre. Il y a des gourmets de plusieurs genres, et tous les régals ne sont point destinés à flatter le palais ; il en existe aussi pour les oreilles et pour les yeux.

1. Parse : *ouvert, remis, m'asseoir, eteint, apercoit.*
2. Why is the form *vieil* used here ? Mention other adjectives having two forms for the masculine.
3. State the derivation of and difference in signification between *mur, mũr.*
4. To what does *en* before *existe* refer ?
5. Mention other verbs besides *aller* which have *etre* as their auxiliary.

6. Why is *etre* and not *avoir* employed with *s'apercevoir ?*

7. Under what circumstances does the *past participle* change ?

SECOND PAPER.

1. State the *general rule* for the formation of the plural, and mention what terminations form exceptions.

2. Give the plurals of *ciel, oeil, aieul, betail.*

3. When must *some, any,* be expressed in French by *de* without the article ?

4. Express in French—(1) I am going to Italy.
(2) We are going to Paris.

5. Write out the *preterite ind.* and the *imp. subj.* of *avoir.*

6. When are *mon, ton, son* used instead of *ma, ta, sa ?*

7. When does the numeral *cent* take an *s ?*

8. Express in French—He was born in the year 1839—He is twenty years old.

9. How are the days of the month expressed ?

10. When should *ce,* and when should *il* be employed as the subject of *etre ?*

11. How is the feminine of adjectives formed ? Give the feminine forms of *heureux, turc, leger, danseur, acteur.*

12. Mention some conjunctions that require the infinitive and some that require the subjunctive.

13. Give the principal parts of *boire, dire, prendre, devoir, rire, conduire, couvrir.*

14. Translate into French : Is gold found in this country ? Has the mother the book ? How

many brothers have you ? The salt, pepper and vinegar are in the box. Most men are happy. I have bought two gold watches. Are you ashamed to speak French ? No, Sir, but I cannot speak French.

GREEK.

FIRST PAPER.

Xenophon, Anab., Bk. II.

1. Give a short account of the life of Xenophon.

2. (*a*) Translate : Chap I, §§ 13, 14.

Ἀκούσας δὲ ταῦτα ὁ Φαλῖνος ἐγέλασε, καὶ εἶπεν· ἀλλὰ φιλοσόφῳ μὲν ἔοικας, ὦ νεανίσκε, καὶ λέγεις οὐκ ἀχάριστα· ἴσθι μέντοι ἀνόητος ὤν, εἰ οἴει ἂν τὴν ὑμετέρην ἀρετὴν περιγενέσθαι ἂν τῆς βασιλέως δυνάμεως. Ἄλλους δέ τινας ἔφασαν λέγειν ὑπομαλακιζομένους, ὡς καὶ Κύρῳ πιστοὶ ἐγένοντο, καὶ βασιλεῖ ἂν πολλοῦ ἄξιοι γένοιντο, εἰ βούλοιτο φίλος γενέσθαι· καὶ εἴτε ἄλλο τι θέλοι χρῆσθαι, εἴτ' ἐπ' Αἴγυπτον στρατεύειν, συγκαταστρέψαιντ' ἂν αὐτῷ.

(*b*) Parse *ἔοικας, ἴσθι, ἔφασαν. βασιλει.* (*c*) Decline *ὤν, τί.*

(*d*) *φιλοσόφος.* To whom was this designation first applied ?

(*e*) Give the aorist of *στρατεύω* in all the words of the active voice.

3. (*a*) Translate : Chap. VI. §§ 1, 2.

Οἱ μὲν δὴ στρατηγοὶ, οὕτω ληφθέντες, ἀνήχθησαν ὡς βασιλέα, καὶ ἀποτμηθέντες τὰς κεφαλὰς ἐτελεύτησαν· εἷς μὲν αὐτῶν Κλέαρχος, ὁμολογουμένως ἐκ πάντων, τῶν ἐμπείρως αὐτοῦ ἐχόντων, δόξας γενέσθαι ἀνὴρ καὶ πολεμικὸς καὶ φιλοπόλεμος ἐσχάτως. Καὶ γὰρ δὴ, ἕως μὲν πόλεμος ἦν τοῖς Λακε-

δαιμονίοις πρὸς τοὺς Ἀθηναίους, παρέμανεν· ἐπὲι δὴ εἰρήνη ἐγένετο, πείσας τὴν αὐτοῦ πόλιν, ὡς οἱ Θρᾷκες ἀδικοῦσιν τοὺς Ἕλληνας, καὶ διαπραξάμενος ὡς ἐδύνατο παρὰ τῶν Ἐφόρων, ἐξέπλει, ὡς πολεμήσων τοῖς ὑπὲρ Χερρονήσου καὶ Περίνθου Θρᾷξίν.

(*b*) Decline εἷς, ἀνήρ. (*c*) Parse ληφθέντες. (*d*) What is the construction of each word from ὁμολογουμένως to ἐσχάτως ?

(*e*) How are Greek adverbs compared ?

SECOND PAPER.

Homer, Il., Bk IV.

1. What derivations have been assigned for the word Ὅμηρος ?

2. Who were the *Homerids*, the chorizontes, and the Rhapsodists ?

3. Give a short account of Wolf's theory regarding the Homeric poems.

4. (*a*) Translate vv. 73—80.

Ὣς εἰπὼν ὤτρυνε πάρος μεμαυῖαν Ἀθήνην·
βὴ δὲ κατ' Οὐλύμποιο καρήνων ἀΐξασα.
Οἷον δ' ἀστέρ' ἔηκε Κρόνου παῖς ἀγκυλομήτεω,
ἢ ναύτῃσιν τέρας, ἠὲ στρατῷ εὐρέϊ λαῶν,
Λαμπρόν· τοῦ δέ τε πολλοὶ ἀπὸ σπινθῆρες ἵενται·
Τῷ εἰκυῖ' ἧκεν ἐπὶ χθόνα Παλλὰς Ἀθήνη,
Καδδ' ἔθορε ἐς μέσον· θάμβος δ' ἔχεν εἰσορόωντας
Τρῶάς θ' ἱπποδάμους καὶ ἐϋκνήμιδας Ἀχαιούς.

(*b*) Parse βῆ, χθόνα, ἔθορε. (*c*) Decline παῖς. (*d*) Scan vv. 73, 74, 75.

5. (*a*) Translate vv. 517—520 :

Ἔνθ' Ἀμαρυγκείδην Διώρεα μοῖρ' ἐπέδησεν.
Χερμαδίῳ γὰρ βλῆτο παρὰ σφυρὸν ὀκριόεντι
Κνήμην δεξιτερήν· βάλε δὲ Θρηκῶν ἀγὸς ἀνδρῶν
Πειροος Ἰμβρασίδης, ὃς ἄρ' Αἰνόθεν εἰληλούθει,

(*b*) Parse *βλῆτο*. (*c*) How are Patronymics formed? (*d*) Scan vv. 519, 520.

(*e*) How are Greek adjectives compared? (*f*) What are the peculiarities of the Greek dialects?

(*g*) Explain the terms *crasis*, *oxytone*, *properispomenon*.

SENIOR MATRICULATION.

GREEK.

FIRST PAPER.

Homer's Iliad, Bk. XVIII.

1. Define the age in which Homer flourished.
2. By whom were his poems collected?
3. What arguments can be adduced that the Iliad and Odyssey were composed by the same author?
4. Translate vv. 73—77:

Τέκνον τί κλαίεις; τί δέ σε φρένας ἵκετο πένθος;
Ἐξαύδα, μὴ κεῦθε· τὰ μὲν δὴ τοι τετέλεσται
Ἐκ Διὸς, ὡς ἄρα δὴ πρίν γ' εὐχεο χεῖρας ἀνασχών,
Πάντας ἐπὶ πρύμνῃσιν ἀλήμεναι υἷας Ἀχαιῶν
Σεῦ ἐπιδευομένους, παθέειν τ' ἀεκήλια ἔργα.

(*b*) Parse *φρένας*, *Διός*, *σεῦ*.

(*c*) What is the construction of *τί δέ σε . . . πένθος*?

(*d*) Scan vv. 76, 77.

5. (*a*) Translate vv. 446—452:

Ἦτοι ὁ τῆς ἀχέων φρένας ἔφθιεν· αὐτὰρ Ἀχαιοὺς
Τρῶες ἐπὶ πρύμνῃσιν ἐείλεον, οὐδὲ θύραζε
Εἴων ἐξιέναι. Τὸν δὲ λίσσοντο γεροντες
Ἀργείων, καὶ πολλὰ περικλυτὰ δῶρ' ὀνόμαζον.
Ἔνθ' αὐτὸς μὲν ἔπειτ' ἠναίνετο λοιγὸν ἀμῦναι,

Αὐτὰρ ὁ Πάτροκλον περὶ μὲν τὰ δ τεύχεα ἔσσεν
Πέμπε δὲ μν πόλεμόνδε, πολὺν δ' ἅμα λαὸν ὄπασσεν.

(*b*) Parse εἴων, *λίσσοντο*, *ἀμῦναι*, *ἅ*, *ἔσσεν*.

(*c*) Scan vv. 446, 451.

(*d*) Whence did Homer derive his idea of the shield of Achilles?

(*e*) What meaning did Homer attach to the word *Ὠκεανός*?

6. Decline *χεῖρας*, *υἷας*, *Τρῶες*, *τεύχεα*.

7. Give the principal constructions in which the dative may be used, and define what is meant by the accusative of Cognate Signification.

SECOND PAPER.

Herodotus, Bk. I.

I.

1. Why has Herodotus been called the Father of History?

2. Give the names of the principal Greek historians.

3. What were the ancient divisions of Peloponnesus?

4. (*a*) Translate chap. 32:

Σόλων μὲν δὲ εὐδαιμονίης δευτερεῖα ἔνεμε τούτοισι. Κροῖσος δὲ σπερχθεὶς, εἶπε· ὦ ξεῖνε Ἀθηναῖε, ἡ δὲ ἡμετέρη εὐδαιμονίη οὕτω τοι ἀπέῤῥιπται ἐς τὸ μηδὲν, ὥστε οὐδὲ ἰδιωτέων ἀνδρῶν ἀξίους ἡμέας ἐποίησας; ὁ δὲ εἶπε, ὦ Κροῖσε, ἐπιστάμενόν με τὸ θεῖον πᾶν εὖν φθονερόν τε καὶ ταραχώδες, ἐπειρωτᾷς ἀνθρωπηίων πραγμάτων πέρι; ἐν γὰρ τῷ μακρῷ χρόνῳ πολλὰ μὲν ἐστι ἰδέειν τὰ μή τις ἐθέλει, πολλὰ δὲ καὶ παθέειν.

(*b*) Parse *σπερχθείς*, *ἀπέῤῥιπται*, *μακρῷ*, *παθέειν*.

(*c*) Give ordinary Greek forms for dialectic varities.

(*d*) Compare *ἀξίους, πολλὰ, μακρῷ.*

II.

1. Translate into Greek : Therefore, said Socrates, if these things are so, we shall place tyrants over the people, those possessing a little, if only they are economical, over the wealthy. And Euthudeneus said, my folly evidently necessitates me to acknowledge these things, and I think it is best for me to keep silent.

2. What prepositions govern the *genitive*, *dative* and *accusative* ?

3. Account for the accent of *ἐπιστάμενόν, πέρι*, and *μέν ἐστι*, in the extract from Herodotus.

III.

St. John's Gospel.

1. Translate chap. VI. vv. 16—21 :

Ὡς δὲ ὀψία ἐγένετο, κατέβησαν οἱ μαθηταὶ αὐτοῦ ἐπὶ τὴν θάλασσαν. Καὶ ἐμβάντες εἰς τὸ πλοῖον ἤρχοντο πέραν τῆς θαλάσσης εἰς Καπερναούμ. Καὶ σκοτία ἤδη ἐγεγόνει, καὶ οὐκ ἐληλύθει πρὸς αὐτοὺς ὁ Ἰησοῦς. Ἥ τε θάλασσα, ἀνέμου μεγάλου πνέοντος, διηγείρετο. Ἐληλακότες οὖν ὡς σταδίους εἰκοσιπέντε ἢ τριάκοντα θεωροῦσι τὸν Ἰησοῦν περιπατοῦντα ἐπὶ τῆς θαλάσσης, καὶ ἐγγὺς τοῦ πλοίου γινόμενον· καὶ ἐφοβήθησαν. Ὁ δὲ λέγει αὐτοῖς· Ἐγώ εἰμι· μὴ φοβεῖσθε. Ἤθελον οὖν λαβεῖν αὐτὸν εἰς τὸ πλοῖον· καὶ εὐθέως τὸ πλοῖον ἐγένετο ἐπὶ τῆς γῆς εἰς ἣν ὑπῆγον.

2. What is the derivation of *θάλασσα, σταδίους, πλοῖον* ?

3. Account for the case of *ἀνέμου, σταδίους, τοῦ πλοίου.*

PASS EXAMINATION.

JUNIOR LATIN.

FIRST PAPER.

Translate : Horace, Odes I. 21.

Dianam teneræ dicite virgines;
Intonsum, pueri, dicite Cynthium,
Latonamque supremo
Dilectam penitus Jovi.
Vos, lætam fluviis et nemorum coma,
Quæcumque aut gelido prominet Algido,
Nigris aut Erymanthi
Silvis, aut viridis Cragi :
Vos Tempe totidem tollite laudibus,
Natalemque, mares, Delon Apollinis,
Insignemque, pharetra
Fraternaque humerum lyra.
Hic bellum lacrimosum, hic miseram famem,
Pestemque a populo et principe Cæare in
Persas atque Britannos
Vestra motus aget prece.

1. Parse : *dilectam, Tempe, tollite, motus, aget.*
2. Distinguish between : *silva, nemus, lucns—niger, ater—humerus, armus, arma—parere, obedire—præbere se, præstare se.*
3. What is the construction of *Jovi, fluviis ?*
4. Explain the allusions in *Cynthium—fraterna lyra Persas.*
5. What was the occasion of this ode ? Mention the metre and scan the first stanza.
6. Give the derivation of : *duplex, apricus, veto, bruma, hornus, jumentum, princeps, egregius, ingenium.*
7. Give some account of the following persons : *Paullus, Mæcenas, Agrippa, Varius, Juba, Regulus.*
8. State the geographical situation of Rhodes, Delos, Erymanthus, Cragus, Heraclea, Algidus, Mytilene, Corinth, Tempe, Mycenæ.

9. Describe the constitution of the Roman Senate, (1) in the earliest times, (2) during the republic (3) under the empire. Distinguish between *patricii* and *nobiles*.

10. Write down the ancient names of Antibes, Coblenz, Cologne, Gibraltar, Monaco, Strasbourg, Turin, Seville, Varna.

11. Explain the allusions in Lib. I. i : *atavis regibus —tergeminis tollere honoribus—Libycis areis—Attalicis conditionibus—lituo tubæ permixtus sonitus —Lesboum barbiton.*

12. Translate into Latin :

1. I almost think that the Lydians are going to revolt from king Cyrus.
2. I warned the boy to prefer nothing to honorable conduct.
3. How does it happen that all of you prefer death to slavery ?
4. It cannot be denied that it is the duty of a Christian to pity the poor.

SECOND PAPER.

Translate : Oratio in L. Catilinam I. 8.

At si hoc idem huic adolescenti optimo, P. Sextio, si fortissimo viro, M. Marcello, dixissem : jam mihi consuli, hoc ipso in templo, jure optimo senatus vim et manus intulisset. De te autem, Catilina, quum quiescunt, probant : quum patiuntur decernunt : quum tacent clamant : neque hi solum, quorum tibi auctoritas est videlicet cara, vita vilissima, sed etiam illi equites Romani, honestissimi atque optimi viri, ceterique fortissimi cives. qui circumstant senatum, quorum tu et frequentiam videre et studia perspicere et voces paullo ante exaudire potuisti : quorum ego vix abs te jamdiu manus ac tela contineo : eosdem facile adducam, ut te hæc, quæ jampridem vastare studes, relinquentem usque ad portas prosequantur.

1. Parse : *intulisset, perspicere, adducam, relinquentem, prosequantur.*

2. Give the meaning and derivation of *atrox, tutus, habena, Hesperia, Avernus, macto, templum, videlicet, vix, calamitas.*

3. What do you know of P. Sextius, M. Marcellus, Q. Metellus, C. Marius, Manlius, Fabius Maximus, Camillus, Sp. Melius ?

4. Where are Etruria, Massilia, Apulia, Fæsulæ, Achaia, Pontus, Cumæ, Veii, Cures, Nysa ?

5. What period of time is embraced by the Catilinarian orations ? Where was the Senate assembled when the first oration was delivered ?

6. *Jampridem studes.* Explain the use of the present tense. What is the figure in *vim et manus ?*

7. Mention some adjectives that are followed by *ad* indicating purpose. When should *similis* take the genitive ?

8. What is the nature of the condition when the pluperfect subjunctive is found in both clauses of the hypothetical construction ?

9. What were the conditions of a triumph ? Who gained the *spolia opima ?*

10. Distinguish between *quotidie, in singulos dies—adversarius, hostis, inimicus—conferre, contendere, comparare—suadere, persuadere—incusare, accusare, insimulare.*

Translate into Latin :

Cæsar complaining one day that the senate was so thinly attended, Quintus Considius, who was advanced in years, told him that the senators purposely absented themselves, because they feared his arms and soldiers. Cæsar, pretending to take this freedom in good part, addressed the old man in the following words: "Why, then, Considius, does not the same fear keep you at home ?" To this Considius replied that old age freed him from all such dread; for that the short space of life that now remained to him was hardly worth his care. Such reproaches must have been unpleasant to Cæsar; yet he continued acting in such a manner as to deserve them daily.

SENIOR LATIN.

FIRST PAPER.

1. Mention the leading writers of the Silver Age of Roman Literature.

2. Translate : Tacitus, Agr. chap. XIV.

Consularium primus Aulus Plautius præpositus, ac subinde Ostorius Scapula, uterque bello egregius: redactaque paulatim in formam provinciæ proxima pars Britanniæ: addita insuper veteranorum colonia. Quædam civitates Cogiduno regi donatæ (is ad nostram usque memoriam fidissimus mansit) vetere ac jam pridem recepta Populi Romani consuetudine, ut haberet instrumenta servitutis et reges. Mox Didius Gallus parta a prioribus continuit, paucis admodum castellis in ulteriora promotis, per quæ fama aucti officii quæreretur. Didium Veranius excepit, isque intra annum exstinctus est. Snetonius hinc Paulinus biennio prosperas res habuit, subactis nationibus firmatisque præsidiis: quorum fiducia Monam insulam, ut vires rebellibus ministrantem, aggressus, terga occasioni patefecit.

3. Parse : redacta, mansit, recepta, parta, aucti, subactis.

4. Explain the following words and expressions :—natio, gens—cassis, galea—*sors quaesturæ* provinciam Asiam dedit—legati consulares—quibus bellum volentibus erat—contractis legionum *vexillis*.

5. Derive : anceps, religio, negotium, pœna, colonia, mox, trucido.

6. Distinguish between : uter, uterque—alter, alius—vetus, antiquus—silere, tacere—carere, egere, indigere.

7. *Colonia.* Mention its ancient and modern names. What legion was quartered there ?

8. *Monam.* What island was this ?

9. State the year of the battle of the Grampians. In what part of Britain did the Silures live ?

10. Give some account of the leader of the revolt that recalled Paulinus from Mona.

11. When should *fore ut* with the subjunctive be used for the future inf. active. Explain the participial form in *res fruenda*.

12. Explain the use of the tenses in the following extract: Nihil habebam, quod scriberem ; neque enim novi quidquam audieram, et ad omnes tuas epistolas rescripseram pridie ; erat tamen rumor, comitium dilatum iri.

SECOND PAPER.

1. Translate : Plautus, Auluaria, Actus I. Scene III. 20—39.

Eu. Profecto in aedis meas me absente neminem
volo intromitti ; atque etiam hoc prædico tibi :
si Bona Fortuna veniat, ne intromiseris.
Sta. pol ea ipsa, credo, ne intromittatur, cavet.
nam ad aedis nostras numquam adit quamquam prope est.
Eu. Tace atque abi intro. **Sta.** Taceo atque abeo.
Eu. Occlude sis
foris ambobus pessulis : iam ego hic ero.
Discrucior animi, quia ab domo abeundum est mihi.
Nimis hercle invitus abeo ; sed quid agam scio ;
nam nobis nostrae qui est magister curiae,
dividere argenti dixit nummos in viros ;
id si relinquo ac non peto, omnes ilico
me suspicentur (credo) habere aurum domi ;
nam verisimile non est, hominem pauperem
pauxillum parvi facere quin nummum petat.
Nam nunc quom celo sedulo omnis, ne sciant,
omnes videntur scire et me benignius
omnes salutant quam salutabant prius ;
adeunt consistunt, copulantur dexteras,
rogitant me, ut valeam, quid agam, quid rerum geram.

2. Parse : miseris, occlude, petat, copulantur.

3. Distinguish : foris, foras—utendum rogare, utendum dare—intro, intus.

4. Write notes on : Ecastor, edepol, censen, vadarier, antidhac, sis.

5. For what does *dividere* stand ? To what was the

nummus equivalent ? Account for the genitive in *discrucior animi.*

6. What corresponds in English and in Greek to the Latin *sexcenti ?* Mention the principal rivers and the leading divisions of Italy.

7. Give the derivation of: ædis, pessulus, nummus, quin, nundinalis, trifurcifer, Aulularia.

8. What evidence does Plautus furnish that in his time Latin was in a transition state ?

9. Compare the syntax of Plautus with that of the Augustan writers.

10. Show how far the literature of Rome is indebted to that of Greece.

11. Give instances of the various uses of the participle in—*dus.*

12. Translate into Latin Prose :

Delos, an island in the middle of the Cyclades, is said to have been originally a floating island, and subsequently to have become fixed and immoveable. It was held sacred on account of its being the birthplace of Apollo and Diana, the former of whom had a famous oracle in it, and a no less celebrated fountain, at which various rites were performed. In the island were many magnificent edifices, of which the most renowned and costly was the temple of Apollo, which Plutarch says was of great antiquity, and constructed with such wonderful art as to be deserving of being ranked among the wonders of the world. No one, who could be prevented, was suffered to die in Delos. Those laboring under any mortal or dangerous disease were ordered to be carried away to one of the neighboring islands.

JUNIOR GREEK.

FIRST PAPER.

1. Give a brief account of Herodotus with dates. What facts are noticed in his history which show that he outlived the Peloponnesian war ?

2. When were the nine books first named after the Muses ? On what authority rests the story of

their having been publicly read at the Olympic Games ?

3. What was the object of Herodotus in composing his history ? By what religious idea is his work pervaded ?

4. Translate : Herodotus, Bk. I., Cap. 112.

Ἅμα δὲ ταῦτα ἔλεγε ὁ βουκόλος καὶ ἐκκαλύψας ἀπεδείκνυε. ἡ δὲ ὡς εἶδε τὸ παιδίον μέγα τε καὶ εὐειδὲς ἐον, δακρύσασα καὶ λαβομένη τῶν γουνάτων τοῦ ἀνδρὸς ἔχρῃζε μηδεμιῇ τέχνῃ ἐκθεῖναί μιν. ὁ δὲ οὐκ ἔφη οἱός τ' εἶναι ἄλλως αὐτὰ ποιέειν· ἐπιφοιτήσειν γὰρ κατασκόπους ἐξ Ἁρπάγου ἐποψομένους, ἀπολέεσθαί τε κάκιστα, ἢν μή σφεα ποιήσῃ. ὡς δὲ οὐκ ἔπειθε ἄρα τὸν ἄνδρα, δεύτερα λέγει ἡ γυνὴ τάδε· Ἐπεὶ τοίνυν οὐ δύναμαί σε πείθειν μὴ ἐκθεῖναι, συ δὲ ὧδε ποίησον, εἰ δὴ πᾶσά γε ἀνάγκη ὀφθῆναι ἐκκείμενον· τέτοκα γὰρ καὶ ἐγώ, τέτοκα δὲ τεθνεός· τοῦτο μὲν φέρων πρόθες, τὸν δὲ τῆς Ἀστυάγεω θυγατρὸς παῖδα ὡς ἐξ ἡμέων ἐόντα τρέφωμεν. καὶ οὕτω οὔτε σὺ ἁλώσεαι ἀδικέων τοὺς δεσπότας, οὔτε ἡμῖν κακῶς βεβουλευμένα ἔσται. ὅ τε γὰρ τεθνεὼς βασιληΐης ταφῆς κυρήσει, καὶ ὁ περιεὼν οὐκ ἀπολέει τὴν ψυχήν.

5. Point out the words in this passage affected by the Ionic dialect ; and give the Attic forms of the same.

6. Parse : *ἀπεδείκνυε, ἐκθεῖναι, ὀφθῆναι, τέτοκα, ἁλώσεαι.*

7. Distinguish between : *οὗ, ἑαυτοῦ—νῦν, νυν, ἤδη—ἡμῖν αὐτοῖς* and *αὐτοῖς ἡμῖν.*

8. Mention fully the construction after verbals in *—τεὸς.*

9. Distinguish between *μὴ κλέπτῃς* and *μὴ κλέψῃς.*

10. Connect etymologically the following words with any corresponding Latin words : *ἕπομαι, χειμών, θήρ, ἐλαχύς, ὀχέομαι, ἕζομαι, ἐσθής.*

11. Mention the several forms or the Hypothetical construction, and give examples, making use of *ἔχω* and *δίδωμι*.

13. Translate into Greek :

1. If the enemy had done this, they would have been destroyed.

2. He used to praise those whom he saw marching in good order and in silence.

3. The king of the Persians has ravaged the greater part of the Peloponnesus.

SECOND PAPER.

1. Discuss the question of the employment of dialects by Homer in the Iliad.

2. Quote the Greek and the Latin epigrams on the place of his birth, and state the circumstances of his life.

3. When are his poems said to have taken their present shape ? Who were the Chorizontes ? Discuss the the theories of Wolf and Nitzsch.

4. Translate : Il. xviii. 188—195.

πῶς τ᾽ ἄρ᾽ ἴω μετὰ μῶλον ; ἔχουσι δὲ τεύχε᾽ ἐκεῖνοι·
μήτηρ δ᾽ οὔ με φίλη πρίν γ᾽ εἶα θωρήσσεσθαι,
πρίν γ᾽ αὐτὴν ἐλθοῦσαν ἐν ὀφθαλμοίσιν ἴδωμαι·
στεῦτο γὰρ Ἡφαίστοιο πάρ᾽ οἰσέμεν ἔντεα καλά.
ἄλλου δ᾽ οὔ τευ οἶδα, τεῦ ἂν κλυτὰ τεύχεα δύω,
εἰ μὴ Αἴαντός γε σάκος Τελαμωνιάδαο.
ἀλλὰ καὶ αὐτὸς ὅγ᾽, ἔλπομ᾽, ἐνὶ πρώτοισιν ὁμιλεῖ,
ἔγχεϊ δῃϊόων περὶ Πατρόκλοιο θανόντος.

5. Parse : *ἴω, τεύχε᾽, εἶα, ἴδωμαι, στεῦτο, οἰσέμεν, τευ, τεῦ, δύω,—ὁμιλεῖ, θανόντος.*

6. Give the rules for the accentuation of enclitics. What are atonics ?

7. *θωρήσσεσθαι.* Give the Greek and the Latin names for the six pieces of armour.

8. Translate : Iliad xviii. 577—586.

χρύσειοι δὲ νομῆες ἅμ' ἑστιχόωντο βόεσσιν,
τέσσαρες, ἐννέα δέ σφι κύνες πόδας ἀργοὶ ἕποντο.
σμερδαλέω δὲ λέοντε δύ' ἐν πρώτῃσι βόεσσιν
ταῦρον ἐρυγμηλον ἐχέτην· ὁ δὲ μακρὰ μεμυκὼς
ἕλκετο· τὸν δὲ κύνες μετεκίαθον ἠδ' αἰζηοί.
τὼ μὲν ἀναρρήξαντε βοὸς μεγάλοιο βοείην,
ἔγκατα καὶ μέλαν αἷμα λαφύσσετον· οἱ δὲ νομῆες
αὖτως ἐνδίεσαν, ταχέας κύνας ὀτρύνοντες.
οἱ δ' ἤτοι δακέειν μὲν ἀπετρωπῶντο λεόντων,
ἱστάμενοι δὲ μάλ' ἐγγὺς ὑλάκτεον, ἔκ τ' ἀλέοντο.

9. Give a description of the shield of Achilles, and name other writers, ancient and modern, who have imitated Homer in this matter.

10. Derive *μέν, δέ, αἷμα, νομῆες,* and parse *λεόντων* in v. 586.

11. Translate into Greek : It was evening, and one came up announcing to the Prytanies that Elateia was captured. And thereupon, some immediately arising from the supper drove out those who had stalls in the market place, and set fire to the sheds, and others sent for the generals, and summoned the trumpeter, and the city was filled with confusion.

12. Translate : St. John's Gospel, chap. iv. 35—39.

13. Discuss the apparent discrepancy in *τετράμηνος . . . λευκαί εἰσιν ἤδη.*

14. Who are the *ἄλλοι* in v. 39 ? Show how the whole passage harmonizes with the previous interview with the Samaritan woman.

15. Distinguish *οὐ μή* with the aor. Sub, and with the fut. Ind.

16. Translate :
    (*a*) If I had three talents I would give them to my father.
    (*b*) We must bear what comes from God.
    (*c*) The man pursued his slave, and he fled for refuge into the temple in the upper city.
    (*d*) Marvel not that I said unto you, ye must be born from above.

SENIOR GREEK.

FIRST PAPER.

1. Give the time when, and the circumstances under which the third Philippic was delivered.

2. State the circumstances of the Peace concluded in 346.

3. Point out the various steps by which laws were enacted by the Athenians, distinguishing *προβούλευμα*, *ψήφισμα* and *νόμος*.

4. Translate : *Ὄλυνθον μὲν δὴ καὶ Μεθώνην καὶ Ἀπολλωνίαν καὶ δύο καὶ τριάκοντα πόλεις ἐπὶ Θράϊκης ἐῶ, ἃς ἁπάσας οὕτως ὠμῶς ἀνήρηκεν ὥστε μηδ' εἰ πώποτ' ᾠκήθησαν προσελθόντ' εἶναι ῥάδιον εἰπεῖν· καὶ τὸ Φωκέων ἔθνος τοσοῦτον ἀνῃρημένον σιωπῶ. ἀλλὰ Θετταλία πῶς ἔχει ; οὐχὶ τὰς πολιτείας καὶ τὰς πόλεις αὐτῶν παρῄρηται καὶ τετραρχίας κατέστησεν, ἵνα μὴ μόνον κατὰ πόλεις ἀλλὰ καὶ κατ' ἔθνη δουλεύωσιν ; αἱ δ' ἐν Εὐβοίᾳ πόλεις οὐκ ἤδη τυραννοῦνται, καὶ ταῦτα ἐν νήσῳ πλησίον Θηβῶν καὶ Ἀθηνῶν ; οὐ διαῤῥήδην εἰς τὰς ἐπιστολὰς γράφει "ἐμοὶ δ' ἐστὶν εἰρήνη πρὸς τοὺς ἀκούειν ἐμοῦ βουλομένους ;" καὶ οὐ γράφει μὲν ταῦτα, τοῖς δ' ἔργοις οὐ ποιεῖ, ἀλλ' ἐφ' Ἑλλήσποντον οἴχεται, πρότερον ἦκεν ἐπ' Ἀμβρακίαν, Ἦλιν ἔχει τηλικαύτην πόλιν ἐν Πελοποννήσῳ, Μεγάροις ἐπεβούλευσε πρώην, οὔθ' ἡ Ἑλλὰς οὔθ' ἡ βάρβαρος τὴν πλεονεξίαν χωρεῖ τἀνθρώπου.*

5. Parse : *ἐῶ, ἀνήρηκεν, ᾠκήθησαν, ῥᾴδιον, κατέστησεν, θηβῶν, ἦκεν, βάρβαρος, χωρεῖ, τἀνθρώπου.*

6. What verbs augment in the same way as *ἐῶ*? Give the rule for augments in compound verbs.

7. Write geographical notes on the proper names in the extract for translation.

8. Translate into Greek : it was right then to summon those who conveyed the promises upon which you were persuaded to make the peace ; for neither would I myself have allowed myself to go on an embassy, nor would you, I know well, have ceased warring, if you thought that Philip having got peace would do these things. But what was then said was far different from this.

9. Give the principal events in the lives of Socrates and Plato.

10. State the circumstances connected with the *government* and the *expulsion* of the " Thirty."

11. When and where was the Apology written ? What was the object in writing it ?

12. Translate : *περὶ μὲν οὖν ὧν οἱ πρῶτοί μου κατήγοροι κατηγόρουν αὕτη ἐστὶν ἱκανὴ ἀπολογία πρὸς ὑμᾶς· πρὸς δὲ Μέλητον τὸν ἀγαθόν τε καὶ φιλόπολιν, ὥς φησι, καὶ τοὺς ὑστέρους μετὰ ταῦτα πειράσομαι ἀπολογεῖσθαι. αὖθις γὰρ δή, ὥσπερ ἑτέρων τούτων ὄντων κατηγόρων, λάβωμεν αὖ τὴν τούτων ἀντωμοσίαν. ἔχει δέ πως ὧδε· Σωκράτη ψησὶν ἀδικεῖν τούς τε νέους διαφθείροντα καὶ θεοὺς οὓς ἡ πόλις νομίζει οὐ νομίζοντα, ἕτερα δὲ δαιμόνια καινά. τὸ μὲν δὴ ἔγκλημα τοιοῦτόν ἐστι· τούτου δὲ τοῦ ἐγκλήματος ἓν ἕκαστον ἐξετάσωμεν· ψησὶ γὰρ δὴ τοὺς νέους ἀδικεῖν με διαφθείροντα. ἐγὼ δέ γε, ὦ ἄνδρες Ἀθηναῖοι, ἀδικεῖν ψημὶ Μέλητον, ὅτι σπουδῇ χαριεντίζεται, ῥᾳδίως εἰς ἀγῶνα καθιστὰς ἀνθρώπους, περὶ πραγμά-*

των προσποιούμενος σπουδάζειν καὶ κήδεσθαι, ὧν οὐδὲν τούτῳ πώποτε ἐμέλησεν·

13. Parse : *κατηγόρουν, πειράσομαι, πως, ἐξετάσωμεν, σπουδῇ, ῥᾳδίως, κήδεσθαι.*

14. State the reasons which are supposed to have induced Socrates to adopt the peculiar line of argument employed by him.

15. What was the result of this trial ? Why was he not immediately put to death ? and what are the assigned reasons for his prosecution ?

SECOND PAPER.

1. Explain the nature and arrangement of the Greek Tragic Chorus.

2. Sketch the polt of the Ajax. What other poets, Greek and Roman, have treated this subject ? What apparent breach of dramatic propriety is there in this tragedy ? Show that there is no real fault of structure.

3. Translate : Chorus.

Τελαμώνιε παῖ, τῆς ἀμφιρύτου
Σαλαμῖνος ἔχων βάθρον ἀγχιάλου,
σὲ μέν εὖ πράσσοντ' ἐπιχαίρω.
σὲ δ' ὅταν πληγὴ Διὸς ἢ ζαμενὴς
λόγος ἐκ Δαναῶν κακόθρους ἐπιβῇ,
μέγαν ὄκνον ἔχω καὶ πεφόβημαι
πτηνῆς ὡς ὄμμα πελείας.
ὡς καὶ τῆς νῦν φθιμένης νυκτὸς
μεγάλοι θόρυβοι κατέχουσ' ἡμᾶς
ἐπὶ δυσκλείᾳ, σὲ τὸν ἱππομανῆ
λειμῶν' ἐπιβάντ' ὀλέσαι Δαναῶν
βοτὰ καὶ λείαν,
ἥπερ δορίληπτος ἔτ' ἦν λοιπὴ,
κτείνοντ' αἰθωνι σιδήρῳ.

Soph. Ajax, 134—147.

4. Derive : *ἀγχίαλος, ζαμενής, ὄμμα, δορίληπτος.*

5. *ἱππομανῆ.* Give the derivation of this word, and state what renderings have been suggested for it.

6. State who constitute the chorus in the play, and give a full account of the metre.

7. Distinguish between : *δίκη, γραφή—ἀγὼν τιμητός, ἀγὼν ἀτίμητος—βοτόν, λεία—πρὸς ταῦτα, πρὸς τούτοις —ὁ ἀνὴρ οὗτος, οὗτος ἀνήρ, ὁ οὗτος ἀνήρ.*

8. Translate : Tecmessa.

ἅπαν μαθήσει τοὔργον, ὡς κοινωνὸς ὤν.
κεῖνος γὰρ ἄκρας νυκτὸς, ἡνίχ' ἕσπεροι
λαμπτῆρες οὐκέτ' ἦθον, ἄμφηκες λαβὼν
ἐμαίετ' ἔγχος ἐξόδους ἕρπειν κενάς.
κἀγὼ 'πιπλήσσω καὶ λέγω, τί χρῆμα δρᾷς,
Αἴας ; τί τήνδ' ἄκλητος οὔθ' ὑπ' ἀγγέλων
κληθεὶς ἀφορμᾶς πεῖραν οὔτε του κλύων
σάλπιγγος ; ἀλλὰ νῦν γε πᾶς εὕδει στρατός.
ὁ δ' εἶπε πρός με βαῖ', ἀεὶ δ' ὑμνούμενα.
γύναι, γυναιξὶ κόσμον ἡ σιγὴ φέρει.
κἀγὼ μαθοῦσ' ἔληξ', ὁ δ' ἐσσύθη μόνος.

Soph. Ajax. 283—294.

9. Parse : *μαθήσει, ἦθον, ἐπιπλήσσω, κληθείς, ἐσσύθη.*

10. What is the construction in *ἀφορμᾶς πεῖραν* ?

11. Distinguish between : *ἤδη, νῦν, νυν—τοῦ, του—λαμπτήρ, λύχνος—δεῦρο, δεῦτε—νέος οὐδὲ γέρων ἐστί* and *νέος οὔτε γέρων ἐστί.*

12. What improvements did Sophocles introduce into the drama ?

13. What are the internal evidences for supporting the view that the Ajax was one of the earliest of the works of Sophocles ?

14. What theories have been proposed to account for the origin of language ?

15. Translate into Greek prose with accents :

Prometheus, the son of Iapetos and Asia, having moulded men out of water and earth, gave to them fire also, unknown to Zeus, having hidden it in a giant-fennel. When Zeus perceived this, he commanded Hephaistos to nail his body to Mount Caucasus. Now this is a Scythian mountain. And every day an eagle flying down feasted on his liver, which grew again in the night. This punishment did Prometheus suffer for having stolen fire, until Hercules released him.

JUNIOR MATHEMATICS.

FIRST PAPER.

1. Solve the equations

(*a*) $\frac{x^2-3}{x+2} - \frac{x^2+1}{x-1} + 3 = \frac{7}{2x}$

(*b*) $\sqrt{4a+x} = 2\sqrt{b+x} - \sqrt{x}$

(*c*) $\begin{cases} x+y+xy=34 \\ x^2+y^2-x-y=42 \end{cases}$

(*d*) $2^x(\frac{3}{2})^{x-1} = 18^{x-2}$

2. Prove that

$$\frac{1}{1+2x+x^2} = 1-2x+3x^2-4x^3+ \textit{ad. inf.}$$

3. Divide a number n into two parts such that a times the square of the first added to b times the square of the second shall be a minimum.

4. If A, G, H, denote the arithmetic, geometric and harmonic means between two numbers, show that $AH=G^2$.

5. The sums of two arithmetic series are $n(n-1)$, and $n(19-3n)$. Determine if they have a common term, and what it is.

6. Prove that bank discount exceeds the true by the interest upon the interest.

7. Expand $(1 + \frac{1}{n})^n$ by the binomial theorem, and deduce its value when n becomes infinitely great.

8. What is a logarithm? What is the base, the mantissa, the characteristic? Prove that $\log m - \log n = \log \frac{m}{n}$.

9. Expand $\sqrt{5}$ into a continued fraction, and find the first five convergents.

SECOND PAPER.

10. In any quadrilateral the sum of the squares upon the four sides is equal to the sum of the squares upon the diagonals, together with four times the square upon the line joining the middle points of the diagonals.

11. If a chord be drawn from the point of contact of a tangent to a circle, the angles between the tangent and chord are equal to those in the alternate segments of the circle respectively.

12. If a quadrilateral be described about a circle, the sums of the opposite sides are equal; and the angles subtended at the centre by opposite sides are together equal to two right angles.

13. The rectangle under any two sides of a triangle is equal to that under the perpendicular upon the third side and the diameter of the circumscribing circle. Prove this, and thence find an expression for the radius of the circumscribing circle.

14. What is a developable surface? A great circle of a sphere?

Find an expression for the surface of a sphere.

What relation does it hold to the curved surface of the circumscribing cylinder?

15. The earth's diameter being 7910 miles, find the difference in latitude between two places, one of which is 120 miles north of the other.

16. Prove that $sin^2\theta+cos^2\theta=1$.

If the sides of a parallelogram be 10 and 16, and the angle 60°, find the diagonals and the area.

SENIOR MATHEMATICS.

FIRST PAPER.

1. Find maximum and minimum values for u when,

$$u=\frac{x^2-x+1}{x^2+x+1}$$

2. If $x-y=0$, then $x=y$. Examine this, and show under what conditions it may be fallacious.

3. Sum to n terms the series—

$$1+3+7+13+21+\ldots$$

4. Given $x-3y+y^3=0$, to develope y in ascending powers of x.

5. Prove that $log_a\ n\ .\ log_c\ a = log_b\ n\ .\ log_c\ b$; and thence show what relation exists between the common and Napierian logarithms of any number.

6. Develope $sin\ \theta$ in ascending powers of θ. If θ receives a *very* small increment, find the corresponding increment of $sin\ \theta$.

7. Assuming Gregory's series, prove that—

$$\theta=\tfrac{1}{2}1\ .\left(\frac{1+tan.\ \theta}{1-tan.\ \theta}\right)-2\left(\frac{tan^3\theta}{3}+\frac{tan.^7\theta}{7}+\ldots\right).$$

8. Develope Moivre's formula, and thence show that if

$2\ cos.\ \theta = x + \frac{1}{x}$, then $2\ cos.\ n\ \theta = x^n + \frac{1}{x}$.

9. Is the eqation $x^3 - 4x + 1 = 0$ to be solved by Cardan's method or by trigonometry? Carry out the solution.

10. Find x and y when

$$Cos.\ (x + 2y) = Sin.\ (2x + 2y)$$
$$Sin.\ (3x + y) = Cos.\ (2x + 2y)$$

SECOND PARER.

11. Two circles of radii a and b touch each other externally; find the sine of the angle included between their common tangent.

12. Write expressions for—

(*a*) The distance between two points;
(*b*) The equation of a line joining two points;
(*c*) The equation of a perpendicular to (*b*).

13. Write the determinant conditions that—

(*a*) Three points may lie upon a straight line;
(*b*) Three lines may have a common point.

The vertices of a triangle are (1, 5) (3, 2) (4, 6); find its area.

14. If one point lies upon the polar of another, then conversely the latter lies upon the polar of the former in respect to the same circle. Find the polar of (1, 2) the radius of the circle being 4.

15. If a straight line cuts a parabola in two points of which the abscissae are x', x'', and cuts the axis in a point whose abscissa is z, then $x'x'' = z^2$.

16. The tangent to an ellipse makes equal angles with the lines from the foci to the point of contact.

17. Explain what is meant by "the angle of the vertical," and obtain an expression for its value.

18. From the equation of a hyperbola referred to its axes deduce the equation referred to the asymptotes.

19. In Lord Rosse's telescope the parabolic mirror has a diameter of 6 feet, and a focal length of 52 feet. How much does it deviate, at the edges, from a spherical mirror having the same diameter and focal length?

JUNIOR PHYSICS.

FIRST PAPER.

1. If the density of the air in the air-vessel of a fire engine be four times that of the atmosphere (bar. = 30 in.), find to what height the jet will rise supposing no friction.

2. State Boyle and Mariotte's laws.

3. Define specific gravity; and show how to find the sp. gr. of a solid heavier than water.

4. Explain the construction of Bramah's press. If the diameter of the plunger = $\frac{1}{2}$ in., and that of the piston = 3 in., find the pressure exerted by the piston when the plunger is pressed down by one hundred pounds.

5. State one remarkable exception to the expansion of bodies by heat, and its beneficial effects.

6. Define specific heat—how is it measured. What substance has the greatest sp. heat?

7. State the sp. heat of mercury, that of water being one. What advantage does this give to the mercurial thermometer?

8. Define latent heat. What is the latent heat of water? of steam?

9. Define absolute zero. Absolute temperature. What is the British unit of heat? the French? Joule's mechanical equivalent? the French equivalent?

10. Explain briefly the structure and operations of Newcomen's engine, and the principal improvements made on it by Watts.

11. A tube whose section is circular is replaced by 9 tubes of the same total volume, show that the heating surface is thereby trebled.

SECOND PAPER.

1. Into what two classes are bodies divided in static electricity? State briefly the theories of Franklin and Dufaye.

2. Define Induced electricity, and thence explain the action of the Leyden Jar.

3. Into what two classes are bodies divided with regard to their behaviour when suspended between the poles of a powerful horse-shoe magnet?

4. State Ampere's theory of the magnet.

5. What advantage has the use of two fluids in Daniell's and Grove's batteries?

6. State Ohm's law. State also Ampere's laws.

7. Explain the structure and action of the Induction coil.

8. State the laws of the reflexion and refraction of light. What does the index of refraction represent in the undulatory theory?

9. How is the adaptation of the eye to distinct vision of objects at different distances effected?

How do you explain its essential achromatism, and freedom from spherical aberration?

10. Find the equation which expresses the relation between the conjugate foci, and the radius of curvature in a spherical mirror. Where is the focus of a luminous point 30 inches distant from a spherical mirror of 12 inches radius?

11. State the equations expressive of the relations between the conjugate foci, and the radius of a double equi convex lens, and of a plano convex lens. Where is the principal focus in each?

12. A person requires a book to be placed at the distance of 20 inches from his eye to see the letters distinctly; what must be the focal distance, and kind of spectacles which he must use to read easily at the distance of 12 inches?

SENIOR PHYSICS.

FIRST PAPER.

1. Two men walk along two straight roads which form a right angle, at the rate of 4 and $4\frac{1}{2}$ miles an hour; if they started from the intersection of the roads, how far apart will they be 5 hours afterwards?

2. A body moves from rest with uniform acceleration of 32 feet per second; how far does it travel in the 2^{d} second? What is its velocity, and the space, described after $5\frac{1}{2}$ seconds? What is its velocity after travelling a distance of 9 feet?

3. A uniform rod 6 feet long has a weight of 10 lbs. fastened to one end; it will balance on a point 6 inches from that end; find the weight of the rod.

4. Prove that, when P and W in the lever do not act in parallel directions, they are inversely as the perpendiculars from the fulcrum on their lines of direction.

5. Find $P : W$ in a system of pulleys in which each string is attached to the weight; find also $P : W$ when the weight of the pulleys is taken into account.

6. If a cannon be free to move, find its velocity on being fired, its weight being 200 lbs., and the weight of the bullet one pound, the bullet being projected horizontally with a velocity of one mile in 5″.

7. Find the angle of reflection, and the velocity of an imperfectly elastic body after striking obiquely on a plane.

8. A body is thrown in a direction inclined to the horizon at an angle of 45°, and strikes the horizontal plane passing through the point of projection in 5″. Find velocity of projection.

9. Two spheres pressing against each other rest in equilibrium on two inclined planes: determine the inclination of the line joining the centres of the spheres to the horizon.

SECOND PAPER.

1. A vessel in the form of a pyramid 7 feet high with a square base, whose side is 4 feet is filled with water. What is the pressure on the base?

2. Find the general expression for the pressure on any surface wholly immersed in a liquid, and thence find the pressure on a parabola just immersed in a liquid, with axis vertical.

3. A piston wighing 7 lbs. and closely fitting a vertical tube full of common air, the length of

which is one foot, and diameter 4 inches, and closed at the bottom, descends by its own weight: find the distance of the piston from the top of the cylinder when it has ceased to descend.

4. An ornament for the table, weighing 4,631.5 gr., is formed of an alloy of gold and silver. It is weighed in water, and loses 308.7 gr. of its weight: what is its composition, the sp. gr. of gold being 19.5; of silver 10.5?

5. What is the pressure exerted from below upwards at the bottom of a chimney 50 feet high, filled with dry air at 212°, supposing the external air to be dry, its temperature 47°, and the height of the barometer 30 inches?

6. Define Precession, Nutation, Aberration of the fixed stars.

7. Prove that Refraction varies as the Tangent of the Z.D.

8. Prove that Parallax varies as the Sine of the Z. D. Find the horizontal parallax of a heavenly body.

9. Give a brief account of the leading facts regarding the sun, and state particularly the conditions according to which a solar eclipse may, or may not, take place.

JUNIOR CHEMISTRY.

FIRST PAPER.

1. What do each of the following terms mean, and how is it employed:

Valence or atomicity—saturation—osmotic rate reducing agent—antiseptic—mordent—potential heat.

2. Give one practical method of obtaining each of the following substances, describing in each case the apparatus, the process, and the chemical changes:

(*a*) oxygen—(*b*) nitric acid—(*c*) carbonyl—(*d*) olefiant gas—(*e*) hydric sulphide—(*f*) chlorine—(*g*) phosphine—(*h*) arsenic trisulphide.

3. State merely how the following are obtained, and describe them carefully:

(*a*) nitrogen trioxide—(*b*) chlorine tetroxide—(*c*) carbon disulphide—(*d*) iodine.

4. Classify the common impurities in water, and show how they may be got rid of. What is "hard" water and when and how may it be softened? Explain the action.

5. Give the common sources of the potassium and sodium compounds, and explain how from these you can obtain (*a*) sodic thiosulphate—(*b*) potassic hydrate—(*c*) potassic chlorate, and (*d*) potassic ferrocyanide.

SECOND PAPER.

6. Show how to obtain the haloid salts of silver—distinguish between them, and give their uses.

7. How would you obtain the following:

(*a*) Dry magnesic chloride from epsom salt.

(*b*) Lead from lead acetate.

(*c*) Cuprous oxide from blue-vitriol.

(*d*) Yellow mercuric iodide from corrosive sublimate.

(*e*) Chrome green from potassic dichromate.

(*f*) Ferric oxide from green vitriol.

8. Describe the two leading thermometic scales, and change 442° F into centigrade.

9. Explain the formation of clouds, and the causes of the trade-winds.

10. If 8 grams. of ice are dissolved in 40 grams. of water at 60°c, and the resulting temperature is 37°c, find the potential heat of water.

SENIOR CHEMISTRY.

FIRST PAPER.

1. How could you find the sp. wt. of a liquid, and to what practical use could you apply such determination ? How find sp. wt. of a gas ?

2. Distinguish between empirical, molecular, and rational formula, giving examples.

3. Explain the results, when—
   (*a*) A solution of sugar is partly frozen.
   (*b*) A burning hydrogen jet is placed in an open tube.
   (*c*) A tube of ammonia is placed, mouth downwards, in water colored with cupric sulphate.
   (*d*) A soap bubble filled with air is dropped into a vessel of carbon dioxide.
   (*e*) Air is drawn through ether in a closed tube.

4. How would you prove by experiment, that—
   (*a*) Water of crystallization gives form and sometimes color to a salt.
   (*b*) Color sometimes depends upon crystalline form,
   (*c*) Stannous chloride is a reducing agent.
   (*d*) Magnetic oxide of iron is a combination of ferrous and ferric oxides.
   (*e*) Forced contraction of a gas warms it.

5. Show how to obtain the following, giving proceses and chemical changes.

(*a*) Nitrous oxide. (*d*) Ammoniacal amalgam.
(*b*) Sulphurous acid. (*e*) Metaphosphoric acid.
(*c*) Hydriodic acid.

SECOND PAPER.

6. Give practical methods of obtaining the following: describe them and give their uses—

(*a*) Sodic silicate. (*c*) Potassic permanganate.
(*b*) *Aluminum.* (*d*) *Calomel.*

7. What is aniline and how is it made? Give meanings for its various names.

8. Explain the formation of ethyl alcohol, and show how from it you can make ethyl acetate.

9. What is gallic acid, whence is it obtained, and what takes place when it is sublimed?

10. What is the general constitution of a fat, and what change takes place in its saponification?

11. Explain briefly the vortex theory of atoms.

12. Starting with the dynamic theory of a gas, deduce Boyle and Marriotte's law, and Graham's law of diffusion.

13. Describe any absorption spectrum, and any bright line spectrum, which you have seen, and explain fully how they were produced.

NATURAL SCIENCE.

FIRST PAPER.

1. How do you distinguish plants from (1) minerals, (2) animals?

2. Describe the normal cell of animal or vegetable

tissues, and if there are any differences between them, state them.

3. Describe three kinds of vegetable tissue, also three kinds of animal tissue.

4. Name the principal forms of subterranean stems. How are they distinguished from roots?

5. Describe the structure of a woody exogenous stem.

6. Describe briefly the different forms of Indefinite Inflorescence.

7. How are the parts of the flower shown to be modified leaves?

8. What adaptations exist in flowers for cross-fertilization?

9. How do you classify fruits?

SECOND PAPER.

1. What are the general characters of the Protozoa? Describe the Amoeba.

2. Describe a dorsal vertebra of the human skeleton.

3. Trace the progress of the specialization of the locomotive organs in Invertebrates.

4. Describe the formation of stratified rocks.

5. What is meant by slaty cleavage? How is it accounted for?

6. Classify the organic rocks and give a short description of the formation of each.

7. The Rocky Mountains are said to be the youngest mountain range in America, how is this proved?

JUNIOR PHILOSOPHY.

METAPHYSICS AND ETHICS.

1. "Nihil est in intellectu quod non fuerit in sensu." Examine this saying.
2. State the doctrine of Parmenides, and compare it with any modern theory.
3. State the doctrine of Anaxagoras, and trace its influence on subsequent speculation.
4. Compare the ancient with the modern State.
5. State and criticise the metaphysical and ethical views of the Cyrenaics.
6. Give a summary of Plato's "Theætetus."
7. State the main points in the philosophy of the Epicureans.
8. State and criticise Comte's law of development.
9. What is the true relation of the various forces of nature?
10. Analyse the idea of life, and distinguish between instinct and habit.
11. Characterise the thinking or reflective consciousness.
12. Trace shortly the development of self-consciousness.
13. Explain the Stoical idea of personality, and point out its bearing on the distinction of alienable and inalienable rights.
14. What are the characteristics of the Family, and what is its ethical value?

JUNIOR PHILOSOPHY.

LOGIC.

1. Give the opposites of these propositions:
   (*a*) Electricity will travel along a tied nerve.

(*b*) Electricity cannot be the nervous fluid.
(*c*) Some discoverers have been persecuted.

2. What did Hamilton mean by "quantifying the predicate?" What advantage does he claim for his doctrine ?

3. Give the rules governing valid syllogisms.

4. Name the fallacy in these arguments :

(*a*) Some *A* is not *B*
All *B* is *C*
∴ Some *C* is not *A*

(*b*) All *B* is *A*
Some *C* is *B*
∴ All *C* is *A*

5. Reduce to the First Figure the following :

What is expedient is conformable to nature.
What is conformable to nature is not hurtful to society.
Therefore, what is hurtful to society is not expedient.

6. Expand this sorites into distinct syllogisms :

All *E* is *F*
All *F* is *G*
All *G* is *H*
All *H* is *K*
∴ All *E* is *K*

7. State in logical form (where necessary) and examine these arguments :

(1) All tulips are beautiful flowers.
No roses are tulips.
∴ No roses are beautiful flowers

(2) Some mathematicians are logicians.
No logicians are unacquainted with the works of Aristotle.
∴ Some mathematicians are not unacquainted with the works of Aristotle.

(3) No persons destitute of imagination are true poets,

Some persons destitute of imagination are good logicians.

∴ Some true poets are not good logicians.

(4) The Reformers were bitter enemies of the Papal Supremacy.

A B was a Reformer (for he supported the Reform Bill of 1832).

∴ *A B* was a bitter enemy of the Papal Supremacy.

(5) Six and seven are even and odd.
Thirteen is six and seven.
∴ Thirteen is even and odd.

(6) This measure would be destructive of the national prosperity, and nothing shows this more clearly than the fact that, five years ago, you were yourself of the same opinion.

(7) I will not do this act, because it is unjust ; I know that it is unjust because my conscience tells me so, and my conscience tells me so because the act is wrong.

(8) Old age is wiser than youth ; therefore it is only reasonable that we should be guided by the decisions of our ancestors.

(9) The knowledge of things is more useful than the knowledge of words ; and therefore the study of nature is more improving than the study of language.

(10) The puzzle of Achilles and the Tortoise.

JUNIOR PHILOSOPHY.

POLITICAL ECONOMY.

1. Define *wealth*, *value*, *price*, *capital*, *money*.
2. What is the effect on prices of an excessive issue of paper currency ?

3. Explain the action of demand and supply upon the prices of manufactured articles.
4. Explain the use of Bills of Exchange. What is meant by an unfavourable balance of exchange?
5. If there is a scarcity of some articles of which there are several qualities of different prices, will the cheapest or the dearest quality rise most? Explain.
6. Why is a tax on raw materials bad?
7. How do you account for the difference in the rate of wages of different employments?
8. Should permanent incomes derived from invested property be taxed at the same rate as temporary or professional incomes?

SENIOR PHILOSOPHY.

Only ten of these questions to be done.

1. Distinguish between the Aristotelian εὐδαιμονία and the modern "happiness." Why does Aristotle attach so much importance to such virtues as Magnanimity?
2. Point out the imperfections of Stoicism and Epicureanism respectively, and show how both may be combined in a higher doctrine.
3. State and criticise Ancient Scepticism.
4. Give the Cartesian proofs of the being of God, and Kant's criticism of the Ontological argument.
5. State the main points in the philosophy of Spinoza, and mention any inconsistencies in it.
6. Give a short sketch of English ethical theories from Hobbes to Butler.
7. Give the "transcendental" exposition of Space and Time, and the Refutation of Idealism.

8. Summarise the Deduction of the Categories.

9. Explain the doctrine of the Schematism, and give the Schema corresponding to each of the categories.

10. How does Kant prove the proposition, that "in all changes of phenomena substance remains the same?"

11. State the First Antinomy, and give Kant's solution of it.

12. State the main points in Kant's ethical theory.

13. What are the imperfections in the Hedonistic and Kantian ethics respectively? How may these imperfections be avoided?

14. Distinguish between the Civic Community and the State. What are the characteristics of the several classes in the community?

SENIOR PHILOSOPHY.

Special Examination in Thomson, Hamilton and Schewegler.

FIRST PAPER.

1. Draw up a table showing the relations of *denomination*, *intension* and *extension*, and of *summum genus*, *subalternum genus* and *species infima*.

2. Give Thomson's and Hamilton's tables of Judgments, using letters as terms, and marking the technical symbol of each judgment. Explain what is meant by quantifying the predicate.

3. Distinguish between *explicative*, *amplicative* and *tautologous* judgments, and give an example of each.

4. Construct a negative dilemma.

5. Explain and illustrate the distinction between Induction and Deduction.

6. Classify the phenomena of consciousness. By whom was the classification adopted by Hamilton first propounded?

7. Distinguish between Natural Realism and Cosmothetic Idealism, and classify modern thinkers according as they adopt the one or the other view. Give arguments in favour of the former.

SECOND PAPER.

Only six questions to be done.

1. Explain, by reference to the various senses, the law governing the mutual relations of Sensation and Perception.

2. What are the primary laws of Reproduction?

3. State and illustrate the law of the Conditioned.

4. Sketch the constitution of Plato's ideal State.

5. State the main point in the Psychology of Aristotle.

6. Give an account of the philosophy of Berkeley.

7. Explain the ethical theory of the Epicureans.

8. What is Hume's view of Causation? How does he account for the belief in necessary connexion?

9. Give Kant's "metaphysical and transcendental" expositions of Space and Time.

JUNIOR FRENCH.

FIRST PAPER.

1. Translate into English :

Adolphe fut dix-huit mois à son régiment ; il revint au commencement de 1789, et touchait alors à sa vingtième année. Je fus

étonnée du changement qu'une si courte absence avait opéré dans toute sa personne. Sa taille s'était développée de la manière la plus avantageuse, et prêtait une grâce particulière à tous ses mouvements ; sa figure avait pris un caractère de fierté qui, sans affaiblir la douceur que j'y avais toujours remarquée, inspirait le respect, et me força moi-même à voir un homme dans celui que je n'avais encore regardé que comme un enfant chéri. Ce n'est pas qu'il fût moins tendre pour moi, moins prévenant pour tout ce qui pouvait me plaire ; mais l'habitude du monde lui avait appris ce qu'il valait. Tout en lui m'offrait un ami dont ma raison se glorifiait ; mais je regrettais involontairement les caresses ingénues de mon fils. Il n'y a que le cœur d'une mère qui puisse expliquer les contradictions qu'apporte en nous ce passage de l'adolescence à la virilité, si rapide chez les Français ; et, si nous aimons nos petits-fils jusqu'à l'adoration, ce n'est, sans doute, que parce qu'ils nous rappellent ce temps heureux de l'enfance de leur père, et qu'à la douceur de leurs caresses se joint le souvenir de celles dont nous avions senti la privation.

2. Parse : *revint, pris, cheri, valait, puisse.*

3. Give the meanings, when feminine, of : *Livre, Manche, Mousse, Page, Couple, Crepe, Poele, Poste, Voile.*

4. Write the persons of the Present Indicative and Present Subjunctive of the following verbs : *plaire, rire, resoudre, croire, s'asseoir.*

5. Distinguish : *savoir, connaitre ; marier, epouser, se marier ; mot, parole ; temps, fois ;* illustrating by examples of each usage.

6. Name the principal dialects of the Langue d' Oil, and state from which one Modern French has arisen.

7. Lay down some rules for the Permutation of Consonants in the transfer from Latin to French.

8. Show the influence of the Tonic Accent in Latin on the formation of French words.

9. Translate into French :

One day Canute the Great, king of England, was on the shore of the sea with all his court. His courtiers, who, according to custom, were flatterers, told him that he was the king of kings and the mas-

ter of the sea and of the land. Canute, who had piety and good sense, seized this opportunity to make sport of these flatterers, and to make them see that he had too much intelligence to become the dupe of their foolish remarks. For this purpose, he caused a chair to be brought, and he sat down thereon; it was the time of the return of the tide. Canute, addressing the sea, said to it :—"The land on which I am belongs to me and I am thy master; I command thee, therefore, to remain where thou art, and not to advance to wet my feet."

All that heard these words thought the king was mad to imagine that the sea was going to obey him. However, it continued to advance, and at last it washed the feet of the monarch. Then Canute, rising, said to the flatterers :—"You see how I am master of the sea! Learn from this, that the power of kings is a very little thing. There is in truth, no other king than God, by whom heaven, earth and sea are governed."

SECOND PAPER.

1. Translate into English :

"Tout ce qui doit arriver arrive, faisait-il. Puisque ces Républicains ont chassé leurs seigneurs et leurs religieux, c'était écrit dans le ciel depuis le commencement des temps: Dieu l'a voulu! Maintenant, de savoir s'ils reviendront, cela depend de ce que le Seigneur Dieu voudra; s'il veut ressusciter les morts, cela dépend de lui. Mais l'année dernière, comme je regardais travailler mes abeilles, je vis que tout à coup ces petits êtres, doux et même jolis, se mettaient à tomber sur les frelons, à les piquer et à les traîner hors de la ruche. Cela revient tous les ans. Ces frelons font les jeunes et les abeilles les entretiennent tant que la ruche a besoin d'eux; mais ensuite elles les tuent; c'est quelque chose d'abominable, et pourtant c'est écrit!— En voyant cela, je pensais à ces Républicains: ils sont en train de tuer leurs frelons; mais soyez tranquilles, on ne peut jamais se passer d'eux; il en reviendra d'autres; il faudra les remplumer et les nourrir; après cela les abeilles se fâcheront encore et les tueront par centaines. On croira que tout est fini, mais il en reviendra d'autres ....ainsi de suite; il en faut....il en faut!...."

2. Parse: *reviendront, depend, voudra, entretiennent, faudra, facheront, croira.*

3. Write the present Indicative and Subjunctive and the imperfect Subjunctive of these verbs.

4. When is *ce* to be used instead of *il, elle, etc.?*

5. When is *dont* to be used, and when *duquel* or *de qui* or *a qui?* Give one example of the proper use of each.

6. Give the rules for determining when the Article is to be used.

7. Sir George C. Lewis holds that nouns in the Romance languages are formed from the accusative of Latin nouns: give his reasons.

8. Translate into French:

I am glad to see you in good health. I am tired with running after him. That man is useful and dear to his family. I am very glad that I have returned in time. This room is forty feet long, by eighteen wide, and fourteen high. My brother and I are going to Paris this summer. A dandy is always a disagreeable man if not a mean man. This picture is very good, please put a frame to it. It is said that he is coming to-morrow. When I was in Paris I met your father and brother. The child will cut his finger with that sharp knife.

RHETORIC AND ENGLISH LITERATURE.

FIRST PAPER.

1. Illustrate Grimm's laws of consonantal variations by words having in Greek the consonants D and P and K.

2. Exemplify the growth of inflections by any two cases of nouns, and two tenses of verbs.

3. Name the different figures of speech and give at least two examples of Metaphor, Comparison, Metonymy and Synecdoche.

4. How are adverbs formed? Give two examples of each mode. Explain the forms *near* and *rather*.

5. Name the different species of poetry with subdivisions, and give at least one example of each.

6. "I wol not lette eek non of al this rowte
Lat every felawe telle his tale aboute,
And lat see now who schal the soper wynne.

* * * * * * *

And thus with victorie and with melodye
Lete I this noble duk to Athenes ryde."

Explain the use of the verb *let* in this passage.

7. State fully the characteristics of Anglo Saxon poetry.

8. Describe the Heroic Couplet, the Ottava Rima and the Spenserian Stanza. Name poems in which they are respectively used.

SECOND PAPER.

1. Write a short criticism of the Faery Queene.

2. State the comparative merits of Hume's, Gibbons', and Robertson's Histories.

3. Write a short essay on the literary characteristics of the Elizabethan period.

HISTORY.

FIRST PAPER.

1. Give a sketch of the migrations of the Dorians till their settlement in the Peloponnese.

2. What was the purpose of the Athenian *βούλη*? What was the extent of its powers?

3. Give a short history of the rise of village communities, having special reference to Italy.

4. Distinguish between *oppidum* and *urbs*.

5. Who were the original Roman "Patres"?

6. Who were the "Conscripti" of the Roman Senate? What were the effects of their admission into the Senate?

7. Give a short criticism on the efforts for political reform made by Tiberius Gracchus and also by Caius Gracchus, and on their results.

8. Name the different Roman Comita. Give a short account of them.

SECOND PAPER.

1. What was the state of the Roman provinces, especially of Gaul, at the time of the invasion of the Goths?

2. What was the character of Royalty under the Merovingians? Under what circumstances was the Crown transferred from the Merovingian to the Carolingian Dynasty?

3. What was the state of France on the accession of Hugh Capet?

4. Under what circumstances did England acquire possession of Normandy? How was it lost?

5. Describe the struggles of the Communes in France for enfranchisement during the 11th and 12th centuries. What were the results on the Monarchy?

6. Compare the conquest of Gaul by the Franks and of England by the Anglo-Saxons.

7. What was the state of Parliament under the Tudors? Account for that state.

8. Give a short sketch of the progress of "Liberty of opinion" in England.

HONOUR PAPERS.

LATIN.

FIRST PAPER.

1. Write an account of Tacitus. Give the names of his works, the periods which they comprehend, and state how much of them remains. Give the names of the Roman emperors under whom he lived.

2. Compare Tacitus as a writer with Livy and Cicero. Give instances of his peculiarities, as well faults as beauties.

3. Translate : Germania, chap. XXVI.

Fenus agitare et in usuras extendere, ignotum : ideoque magis servatur, quam si vetitum esset. Agri, pro numero cultorum, ab universis in vices occupantur, quos mox inter se, secundum dignationem, partiuntur. facilitatem partiendi camporum spatia praestant. Arva per annos mutant : et superest ager. nec enim cum ubertate et amplitudine soli labore contendunt, ut pomaria conserant et prata separent et hortos rigent. sola terrae seges imperatur. Vnde annum quoque ipsum non in totidem digerunt species : hiems et ver et aestas intellectum ac vocabula habent ; autumni perinde nomen ac bona ignorantur.

4. Distinguish accurately the words *arva*, *ager*, *prata*, *campus*. Give the etymologies of *fenus*, *universus*, *occupo*, *vicus*, *arva*, *annus*, *hortus*, *hiems*, *ver*, *aestas*, *autumnus*.

5. What is meant by *in usuras extendere ?* By what laws was usury forbidden at Rome ?

6. What origin does Tacitus assign to the name *Germani ?* What etymologies have been proposed for this word ?

7. Describe the workship of Hertha. What are the etymological affinities of the word ? With what deity worshipped by the Greeks may she be identified ?

8. Translate: Persius, Sat. VI. 1—11.

Admovit jam bruma foco te, Basse, Sabino ?
Jamne lyra et tetrico vivunt tibi pectine chordæ ?
Mire opifex numeris veterum primordia rerum,
Atque marem strepitum fidis intendisse Latinæ ;
Mox juvenes agitare jocos, et pollice honesto
Egregius lusisse senes ! Mihi nunc Ligus ora
Intepet, hybernatque meum mare, qua latus ingens
Dant scopuli, et multa littus se valle receptat.
Lunai portum est operæ cognoscere, cives.
Cor jubet hoc Enni, postquam destertuit esse
Mæonides Quintus pavone ex Pythagoreo.

9. Give an account of the life and opinions of Persius.

10. Draw out a synopsis of this Satire.

11. What is the etymology of the word Satire ? How do the Romans compare with the Greeks in this department of literature ? Mention the originator of Roman Satire, and the leading Satirists before Persius. Criticise the form and matter of Persius' writings.

12. For what is *Cor Enni* a periphrasis ? To what remark made by Ennius is there a possible reference here ? What relation did Ennius claim to bear to Homer ?

13. What is the opinion of Quintilian respecting the merits of Caesius Bassus ?

14. Show the radical connection subsisting between the Greek and Latin languages by instances of words referring to (1) parts of the body, (2) sights and sounds of nature.

SECOND PAPER.

1. What was Quintilian's aim in the composition of the *Institutio Oratoria ?*

2. Translate: Bk. X., Chap. I, 114, 115.

C. vero Cæsar si foro tantum vacasset, non alius ex nostris contra

Ciceronem nominaretur. Tanta in eo vis est, id acumen, ea concitatio, ut illum eòdem animo dixisse, quo bellavit, appareat. Exornat tamen hæc omnia mira sermonis, cujus proprie studiosus fuit, elegantia.

Multum ingenii in Cælio, et præcipue in accusando multa urbanitas : dignusque vir, cui et mens melior, et vita longior contigisset.

Inveni qui Calvum præferrent omnibus ; inveni qui contra crederent eum nimia contra se calumnia verum sanguinem perdidisse. Sed est et sancta et gravis oratio, et castigata, et frequenter vehemens quoque. Imitator est autem Atticorum : fecitque illi properata mors injuriam, si quid adjecturus, non si quid detracturus fuit.

3. *Cujus proprie studiosus.* What evidence did he give of this?

4. Account for the subjunctive in *contigisset.*

5. What estimate does Quintilian put upon Sallust, Livy, Terence and Seneca respectively?

6. Cicero says, "*Abest enim historia a literis nostris.*" Quintilian, "*At historia nou cesserit Græcis.*" Examine and compare these assertions.

7. Translate: Terence, Andria, Act. IV., Scen. 5.

CR. In hac habitasse platea dictumst Chrysidem,
quae sese inhoneste optavit parere hic divitias
potius, quam in patria honeste pauper vivere :
eius morte ea ad me lege redierunt bona.
Sed quos perconter video. Salvete. MY. Obsecro,
quem video ? Estne hic Crito, sobrinus Chrysidis ?
Is est. CR. O Mysis, salve. MY. Salvos sis, Crito.
CR. Itan' Chrysis ? hem. MY. Nos quidem pol miseras
perdidit.
CR. Quid vos ? quo pacto hic ? satin' recte ? MY. Nosne ? Sic
ut quimus, aiunt, quando, ut volumus, non licet.
CR. Quid Glycerium ? iam hic suos parentes reperit ?
MY. Utinam. CR. An nondum etiam ? Haud auspicato
me adpuli :
nam pol, si id scissem, numquam huc tetulissem pedem :
semper enim dicta est eius haec atque habita est soror :
quae illius fuerunt, possidet ; nunc me hospitem
lites sequi, quam hic mihi sit facile atque utile,
aliorum exempla commonent : simul arbitror,
iam aliquem esse amicum et defensorem ei : nam fere
grandiuscula iam profectast illinc. Clamitent,
me sycophantam : hereditates persequi,
mendicum : tum ipsam despoliare non libet.

My. O optume hospes, pol Crito antiquum obtines.
Cr. Duc me ad eam : quando huc veni, ut videam. My. Maxume.
Da. Sequar hos : nolo me in tempore hoc videat senex.

8. (*a*) Give the derivation of : *platea, sobrinus, sycophanta, arbitror.*

(*b*) *Pol—sis—sodes—cette.* Explain these forms.

9. Account for the mood in the following passages :

Socrates dicere solebat, omnes in eo quod *scirent* esse eloquentes.

Redeam ? non si me *obsecret.*

Deum invocantes cujus ad solenne *venissent.*

10. In what respects does the scansion of Terence differ from that of the Augustan period ?

11. Define "Comparative Philology." How is Sanscrit related to Latin and to Greek ? Name the principal languages of the Aryan family.

12. What vowels and consonants belong to the Indo-European language ? What is Grimm's Law ?

THIRD PAPER.

1. What is meant by the term *Epode ?*

2. Translate : Horace, Epode XVI, 1—22.

Altera jam teritur bellis civilibus aetas,
Suis et ipsa Roma viribus ruit :
Quam neque finitimi valuerunt perdere Marsi
Minacis aut Etrusca Porsenae manus,
Aemula nec virtus Capuae nec Spartacus acer
Novisque rebus infidelis Allobrox,
Nec fera caerulea domuit Germania pube
Parentibusque abominatus Hannibal,
Impia perdemus devoti sanguinis aetas,
Ferisque rursus occupabitur solum.
Barbarus heu cineres insistet victor et Urbem
Eques sonante verberabit ungula,
Quaeque carent ventis et solibus ossa Quirini,

Nefas videre! dissipabit insolens.
Forte quid expediat communiter aut melior pars
Malis carere quaeritis laboribus:
Nulla sit hac potior sententia, Phocaeorum
Velut profugit exsecrata civitas
Agros atque Lares patrios habitandaque fana
Apris reliquit et rapacibus lupis,
Ire pedes quocunque ferent, quocunque per undas
Notus vocabit aut protervus Africus.

3. Describe the scansion of this Epode.

4. Explain the allusions in vv. 1, 5, 6, 11, 18.

5. With what are the *divites insulae* usually identified? What did the Greeks call them?

6. Translate: Lucretius, Bk. I, 717—734.

Insula quem Triquetris terrarum gessit in oris:
Quam fluitans circum magnis anfractibus æquor
Ionium glaucis aspergit virus ab undis:
Angustoque fretu rapidum mare dividit undis
Italiæ terrai oras a finibus ejus:
Hic est vasta Charybdis, et hic Ætnæa minantur
Murmura flammarum rursum se conligere iras,
Faucibus eruptos iterum ut vis evomat igneis:
Ad cœlumque ferat flammai fulgura rursum:
Quæ cum magna modis multis miranda videtur
Gentibus humanis regio, visendaque fertur,
Rebus opima bonis, multa munita virum vi,
Nil tamen hoc habuisse viro præclarius in se,
Nec sanctum magis, et mirum, carumque videtur.
Carmina quin etiam divini pectoris ejus
Vociferantur, et exponunt præclara reperta:
Ut vix humana videatur stirpe creatus.

7. Under what obligation did Lucretius lie to Empedocles?

8. What is the derivation of *triquetris*, *anfractus?*

9. State the doctrine of Homœomena. Who held it?

10. What is the difference between *phonetic* and *dynamic* change?

11. Define the term *root*. What distinction would you draw between a *primary* and a *secondary* root?

12. Hanno unus causam fœderis egit: "Per Deos, fœderum arbitros ac testes, monuisse, prædixisse se, ne Hamilcaris progeniem ad exercitum mitterent: non manes, non stirpem ejus conquiescere viri: nec unquam, donec sanguinis nominisque Barcini quisquam supersit, quietura Romana fœdera."

Write down from the above, the *very words* used by Hanno, in Latin.

FOURTH PAPER.

Translate into Latin Prose:

The two brothers did not wish to live at Alba, but loved rather the hill on the banks of the Tiber, where they had been brought up. So they said that they would build a city there; and they inquired of the gods by augury, to know which of them should give his name to the city. They watched the heavens from morning till evening, and from evening till morning, and, as the sun was rising, Remus saw six vultures. This was told to Romulus; but as they were telling him, behold there appeared to him twelve vultures. Then it was disputed again, which had seen the truest sign of the god's favour, but the most part gave their voices to Romulus. So he began to build his city on the Palatine Hill. This made Remus very angry, and when he saw the ditch and the rampart, which were drawn round the space where the city was to be, he scornfully leapt over them, saying, "Shall such defences as these keep your city?" As he did this, Celer, who had the charge of the building, struck Remus with the spade which he held in his hand, and slew him; and they buried him on the hill Remuria, by the banks of the Tiber, on the spot where he had wished to build his city.

GREEK.

FIRST PAPER.

1. Translate: Æschylus Prom., vv. 52, 53.

οὔκουν ἐπείξει δεσμὰ τῷδε πεσιβαλεῖν
ὡς μή σ' ἐλινύοντα προςδερχθῇ πατήρ.

2. Distinguish *οὔκουν* and *οὐκοῦν*. *δεσμὰ*: What other nouns form their plurals in this way? *προσδερχθῇ*: Give a list of aor. pass. used in an act. or mid. sense.

3. Translate, writing short notes on the words marked with an * vv. 216—221.

κράτιστα δή μοι τῶν παρεστώτων τότε
*ἐφαίνετ' εἶναι προσλαβόντα μητέρα**
ἑκόνθ' ἑκόντι Ζηνὶ συμπαραστατεῖν.*
ἐμαῖς δὲ βουλαῖς Ταρτάρου μελαμβαθὴς
*κευθμὼν καλύπτει τὸν παλαιγενῆ Κρόνον**
*αὐτοῖσι συμμάχοισι.**

4. Parse : *παρεστώτων, προσλαβόντα, συμπαραστατεῖν, συμμάχοισι.*

5. Translate vv. 265—270.

ἐγὼ δὲ ταῦθ' ἅπαντ' ἠπιστάμην·
ἑκὼν ἑκὼν ἥμαρτον, οὐκ ἀρνήσομαι
θνητοῖς δ' ἀρήγων αὐτὸς εὑρόμην πόνους.
οὐ μήν τι ποιναῖς γ' ᾠόμην τοίαισί με
κατισχνανεῖσθαι πρὸς πέτραις πεδαρσίοις
τυχόντ' ἐρήμου τοῦδ' ἀγείτονος πάγου.

6. Parse : *ἥμαρτον, ἀρήγων, εὑρόμην, κατισχνανεῖσθαι, τυχόντα, πάγου.*

7. *πεδαρσίοις.* What other Dorisms are used in the tragic dialogue by Æschylus ?

8. Give the scale in full of the tragic Senarius.

9. Translate vv. 673—679.

εὐθὺς δὲ μορφὴ, καὶ φρένες διάστροφοι
ἦσαν, κεραστὶς δ', ὡς ὁρᾷτ', ὀξυστόμῳ
μύωπι χρισθεῖς' ἐμμανεῖ σκιρτήματι
ἦσσον πρὸς εὔποτόν τε Κερχνείας ῥέος
ἀκτήν τε Λέρνης· βουκόλος δὲ γηγενὴς
ἄκρατος ὀργὴν Ἄργος ὠμάρτει, πυκνοῖς
ὄσσοις δεδορκὼς τοὺς ἐμοὺς κατὰ στίβους.

10. Parse : *χρισθεῖσ', ἐμμανεῖ, ἦσσον, ὠμάρτει, δεδορκώς*, and give the stems of *κεραστίς, ἐμμανεῖ, ἦσσον, γηγενής, ἄκρατος, στίβους.*

11. What different interpretations of the story of Io have been given? Sketch her wanderings, and name some of the more famous of her descendants.

12. Give a brief sketch of the life of Æschylus, indicating what improvements were made by him in tragedy, and naming his more famous contemporaries.

13. Translate into Greek:

But if any one thinks that Philip is hard to be opposed, looking both at the wealth of power belonging to him, and the loss of all that country by the city, he indeed thinks rightly. But consider this, that we once had Pydna and Potidæa and Methone and that whole country contiguous to these, and that many of the nations now on his side were autonomous and free, and wished rather to be friendly to us than to him.

14. Translate vv. 887—894.

ἦ σοφὸς ἦ σοφὸς ὃς
πρῶτος ἐν γνώμᾳ τόδ' ἐβάστασε καὶ γλώσσᾳ διεμυθολόγησεν
ὡς τὸ κηδεῦσαι, καθ' ἑαυτὸν ἀριστεύει μακρῷ·
καὶ μήτε τῶν πλούτῳ διαθρυπτομένων
μήτε τῶν γέννᾳ μεγαλυνομένων
ὄντα χερνήταν ἐραστεῦσαι γαμῶν.

15. Parse: ἐβάστασε, ἑαυτόν, χερνῆταν, διαθρυπτομένων. Give the parts and meanings of κηδευσαι according as the accent varies.

16. Translate: 1080—1093.

καὶ μὴν ἔργῳ κοὐκ* ἔτι μύθῳ
χθὼν σεσάλευται
βρυχία δ' ἠχὼ παραμυκᾶται
βροντῆς, εἵλικες δ' ἐκλάμπουσιν
στεροπῆς ζάπυροι,*
στρόμβοι δὲ κόνιν εἱλίσσουσιν·
σκιρτᾷ δ' ἀνέμων πνεύματα πάντων
εἰς ἄλληλα*

στάσιν ἀντίπνουν ἀποδεικνύμενα
συντετάραχται δ' αἰθὴρ πόντῳ*
τοιάδ' ἐπ' ἐμοὶ ῥιπὴ διόθεν
τεύχουσα φόβον στείχει φανερῶς.
ὦ μητρὸς ἐμῆς σέβας, ὦ πάντων*
αἰθὴρ κοινὸν φάος εἱλίσσων
*ἐσορᾷς μ' ὡς ἔκδικα πάσχω.**

17. Write notes on the words marked *.

SECOND PAPER.

1. Characterize the old, the middle and the new comedy.

2. Compare the Socrates of Aristophanes with the Socrates of Plato.

3. "The trial and execution of Socrates did not occur until nearly twenty-five years after the representation of the Clouds." Felton's Preface. Show from internal evidence in the "Clouds" that there is an error of at least thirteen years in this statement, or else that there were two distinct editions of the comedy.

4. Translate: *Νεφέλαι*, 181—186.

ἄνοιγ' ἄνοιγ' ἀνύσας τὸ φροντιστήριον,
καὶ δεῖξον ὡς τάχιστά μοι τον Σωκράτη.
μαθητιῶ γάρ· ἀλλ' ἄνοιγε τὴν θύραν.
ὦ Ἡράκλεις, ταυτὶ ποδαπὰ τὰ θηρία;
Μαθ. *τί ἐθαύμασας; τῷ σοι δοκοῦσιν εἰκέναι;*
Στρ. *τοῖς ἐκ Πύλου ληφθεῖσι, τοῖς Λακωνικοῖς.*

5. *ἀνύσας.* What other words have a similar usage in the participle?

6. *μαθητιῶ.* Give endings peculiar to *desiderative*, *causative*, and *inceptive* verbs. Decline *Ἡράκλεις.*

7. Give a full account of the historical allusion in v. 186.

8. Translate : *Νεφέλαι*, vv. 299—313.

παρθένοι ὀμβρόφοροι
ἔλθωμεν λιπαρὰν χθόνα Παλλάδος, εὔανδρον γᾶν*
Κέκροπος ὀφόμεναι* πολυήρατον·
οὗ σέβας ἀῤῥήτων ἱερῶν, ἵνα
μυστοδόκος δόμος
ἐν τελεταῖς ἁγίαις ἀναδείκνυται,
οὐρανίοις τε θεοῖς δωρήματα,
ναοί θ' ὑψερεφεῖς* καὶ ἀγάλματα,
καὶ πρόσοδοι μακάρων ἱερώταται,
εὐστέφανοί τε θεῶν θυσίαι θαλίαι τε,
παντοδαπαῖς ἐν ὥραις,
ἦρί* τ' ἀνερχομένῳ Βρομία χάρις,*
εὐκελάδων τε χορῶν* ἐρεθίσματα,
καὶ Μοῦσα βαρύβρομος αὐλῶν.

9. Parse the words marked with *

10. Write a brief synopsis of the *Νεφέλαι*.

11. Translate : *Νεφέλαι*, vv. 984—995.

Αδ. ἀρχαῖά γε καὶ Δεπολιώδη καὶ τεττίγων ἀνάμεστα, καὶ Κηκείδου καὶ Βουφονιῶν.

Δικ. ἀλλ' οὖν ταῦτ' ἐστὶν ἐκεῖνα
ἐξ ὧν ἄνδρας Μαραθωνομάχας ἡ 'μὴ παίδευσις ἔθρεψεν.
σὺ δὲ τοὺς νῦν εὐθὺς ἐν ἱματίοις προδιδάσκεις ἐντετυλίχθαι.

. . . . . .

πρὸς ταῦτ' ὦ μειράκιον, θαῤῥῶν ἐμὲ τὸν κρείττω λόγον αἱροῦ·
κἀπιστήσει μισεῖν ἀγορὰν καὶ βαλανείων ἀπέχεσθαι
καὶ τοῖς αἰσχροῖς αἰσχύνεσθαι, κἂν σκώπτῃ τίς σε, φλέγεσθαι
καὶ τῶν θάκων τοῖς πρεσβυτέροις ὑπανίστασθαι προσιοῦσιν,
καὶ μὴ περὶ τοὺς σαυτοῦ γονέας σκαιουργεῖν, ἄλλο τε μηδὲν

αἰσχρὸν ποιεῖν, ὅτι τῆς Αἰδοῦς μέλλεις τἄγαλμ' ἀναπλάττειν.

12. Explain fully the allusion in *τεττίγων*, *Βουφονίων*, and *Μαραθωνομάχας*.

13. Parse : *ἐντετυλίχθαι*, *θαῤῥῶν*, *κρείττω*, *κἀπιστήσει*, *κἄν*.

14. What is the name of the figure in *τἄγαλμα* ?

15. Give Porson's rule for the iota subscript in crasis.

THIRD PAPER.

1. Name the nine Lyric poets of Greece.

2. Write a brief account of the life of Pindar.

3. Translate : Ol. II. 30—36.

τῶν δὲ πεπραγμένων
ἐν δίκᾳ τε καὶ παρὰδίκαν, ἀποίητον οὐδ' ἄν
χρόνος ὁ πατὴρ πάντων δύναιτο θέμεν ἔργων τέλος·
λάθα δὲ πότμῳ συν εὐδαίμονι γένοιτ' ἄν·
ἐσθλῶν γὰρ ὑπὸ χαρμάτων πῆμα θνήσκει
παλίγκοτον δαμασθέν.

4. This ode is dedicated to *ΘΗΡΩΝΙ ΑΚΡΑΓΑΝΤΙΝΩΙ ΑΡΜΑΤΙ*. Write full notes on each word.

5. Translate : Ol. IV. 10—18.

ἀλλ' ὦ Κρόνου παῖ, ὃς Αἴτναν ἔχεις
ἵπον ἀνεμόεσσαν ἑκατονκεφάλα Τυφῶνος ὀμβρίμον,
Ὀλυμπιονίκαν δέχευ
Χαρίτων ἕκατι τόνδε κῶμον
χρονιώτατον φάος εὐρυσθενέων ἀρετᾶν. Ψαύμιος γὰρ
ἵκει
ὀχέων, ὃς, ἐλαίᾳ στεφανωθεὶς Πισάτιδι, κῦδος ὄρσαι
σπεύδει Καμαρίνᾳ. θεὸς εὔφρων
εἴη λοιπαῖς εὐχαῖς.

6. Parse : *ἑκατονκεφάλα, δέκευ, ὀχέων, ὄρσαι.*

7. Write usual Attic forms for the Dorisms in the extract.

8. Write brief notes on the proper names in the second passage.

9. Translate : Ol. VI. 147—156.

ὄτρυνον νῦν ἑταίρους
Αἰνέα, πρῶτον μὲν Ἥραν Παρθενίαν κελαδῆσαι,
γνῶναί τ' ἔπειτ', ἀρχαῖον ὄνειδος ἀληθέσιν
λόγοις εἰ φεύγομεν, βοιωτίαν ὗν. ἐσσὶ γὰρ ἄγγελος ὀρθός,
ἠϋκόμων σκυτάλα Μοισᾶν, γλυκὺς κρατὴρ ἀγαφθέγκτων
ἀοιδᾶν.

10. Parse : *ὄτρυνον, κελαδῆσαι, γνῶναι, ὗν, ἀοιδᾶν.*

11. Write brief notes on *Αἰνέα, Βοιωτίαν ὗν, σκυτάλα, Μοισᾶν.*

12. This ode is inscribed *ΑΓΗΣΙΑΙ ΣΥΡΑΚΟΣΙΩΙ ΑΠΗΝΗΙ.* Write brief notes on each word.

13. Translate : Ol. XII. 10—16.

σύμβολον δ' οὔ πω τις ἐπιχθονίων
πιστὸν ἀρφὶ πράξιος ἐσσομένας εὗρεν θεόθεν·
νῦν δὲ μελλόντων τετύφλωνται φραδαί.
πολλὰ δ' ἀνθρώποις παρὰ γνώμαν ἔπεσεν,
ἔμπαλιν μὲν τέρψιος, οἱ δ' ἀνιαρᾶις.
ἀντικύρσαντες ζάλαις ἐσλὸν βαθὺ πήματος ἐν μικρῷ
πεδαμειψαν χρόνῳ.

14. Write Attic forms for the Doric words in this extract.

15. Point out the stems of *σύμβολον, ἐπιχθονίων, φραδαί, ἀνθρώποις, ἀνιαραῖς, βαθύ.*

16. Translate the following gnomai of Pindar :

(*a*) *ἁμέραι δ' ἐπίλοιποι*
μάρτυρες σοφώτατοι.

(*b*) *Αἶδα τοι λάθεται*
ἄρμενα πράξαις ἀνήρ.

(*c*) *ἔλπομαι μὲν, ἐν θεῷ γε μὰν*
τέλος.

FOURTH PAPER.

1. Translate: Hesiod, Works and Days, 60—77.

αὐτίκα δ' ἐκ γαίης πλάσσε κλυτὸς Ἀμφιγυήεις
παρθένῳ αἰδοίῃ ἴκελον, Κρονίδεω διὰ βουλάς·
ζῶσε δὲ καὶ κόσμησε θεὰ γλαυκῶπις Ἀθήνη·
ἀμφὶ δέ οἱ Χάριτές τε θεαὶ, καὶ πότνια Πειθὼ
ὅρμους χρύσειους ἔθεσαν χροΐ· ἀμφὶ δὲ τήν γε
Ὧραι καλλίκομοι στέφον ἄνθεσιν εἰαρινοῖσι,
ἐν δ' ἄρα οἱ στήθεσσι διάκτορος Ἀργειφόντης
ψεύδεά θ', αἱμυλίους τε λόγους, καὶ ἐπίκλοπον ἦθος
τεῦξε, Διὸς βουλῇσι βαρυκτύπου· ἐν δ' ἄρα φωνὴν
θῆκε θεῶν κῆρυξ, ὀνόμηνε δὲ τήνδε γυναῖκα
Πανδώρην, ὅτι πάντες Ὀλύμπια δώματ' ἔχοντες
δῶρον ἐδώρησαν, πῆμ' ἀνδράσιν ἀλφηστῇσιν.
αὐτὰρ ἐπεὶ δόλον αἰπὺν ἀμήχανον ἐξετέλεσσεν,
εἰς Ἐπιμηθέα πέμπε πατὴρ κλυτὸν Ἀργειφόντην
δῶρον ἄγοντα θεῶν, ταχὺν ἄγγελον. οὐδ' Ἐπιμη-
θεὺς
ἐφράσαθ' ὡς οἱ ἔειπε Προμηθεὺς, μήποτε δῶρον
δέξασθαι πὰρ Ζηνὸς Ὀλυμπίου, ἀλλ' ἀποπέμπειν
ἐξοπίσω, μή πού τι κακὸν θνητοῖσι γένοιτο.

2. Point out any dialectic forms in the preceding passage and comment on any peculiarity requiring elucidation.

3. Discuss the importance of the Digamma in the Hesiodic poems.

4. What account does Hesiod give of his origin and life? What date is assigned to him by Herodotus?

5. How were dates recorded at Athens, Sparta and

Argos in the time of Thucydides? Explain the method of reckoning by Olympiads. When and by whom was it introduced?

6. Translate: Dem. de Cor., 135, 136.

"*Μαρτυροῦσι Δημοσθένει ὑπὲρ ἁπάντων οἵδε· Καλλίας Σουνιεύς, Ζήνων Φλυεύς, Κλέων Φαληρεύς, Δημόνικος Μαραθώνιος, ὅτι τοῦ δήμου ποτὲ χειροτονήσαντος Αἰσχίνην σύνδικον ὑπὲρ τοῦ ἱεροῦ τοῦ ἐν Δήλῳ εἰς τοὺς Ἀμφικτύονας, συνεδρεύσαντες ἡμεῖς, ἐκρίναμεν Ὑπερίδην ἄξιον εἶναι μᾶλλον ὑπὲρ τῆς πόλεως λέγειν· καὶ ἀπεστάλη Ὑπερίδης.*"

Οὐκοῦν ὅτε, τούτου μέλλοντος λέγειν, ἀπήλασεν αὐτὸν ἡ βουλὴ, καὶ προσέταξεν ἑτέρῳ, τότε καὶ προδότην εἶναι καὶ κακόνουν ὑμῖν ἀπέφηνεν. Ἓν μὲν τοίνυν τοῦτο τοιοῦτο πολίτευμα τοῦ νεανίου τούτου, ὅμοιόν γε, οὐ γάρ; οἷς ἐμοῦ κατηγορεῖ· ἕτερον δὲ ἀναμιμνήσκεσθε.

Ὅτε γὰρ Πύθωνα Φίλιππος ἔπεμψε τὸν Βυζάντιον, καὶ παρὰ τῶν αὐτοῦ συμμάχων ἁπάντων συνέπεμψε πρέσβεις, ὡς ἐν αἰσχύνῃ ποιήσων τὴν πόλιν, καὶ δείξων ἀδικοῦσαν, τότε, ἐγὼ μὲν τῷ Πύθωνι θρασυνομένῳ, καὶ πολλῷ ῥέοντι· καθ' ὑμῶν, οὐκ εἶξα, οὐδ' ὑπεχώρησα, ἀλλ' ἀναστὰς ἀντεῖπον, καὶ τὰ τῆς πόλεως δίκαια οὐχὶ προὔδωκα, ἀλλ' ἀδικοῦντα Φίλιππον ἐξήλεγξα φανερῶς οὕτως, ὥστε τοὺς ἐκείνου συμμάχους αὐτούς ἀνισταμένους ὁμολογεῖν· οὗτος δὲ συνηγωνίζετο, καὶ τὰ ἐναντία ἐμαρτύρει τῇ πατρίδι, καὶ ταῦτα ψευδῆ.

7. State the occasion, object and result of this speech. Give a distinct account of the *συμμορίαι*, and mention the date and author of their institution. Explain also the nature of the different *λειτουργίαι*.

8. Give with dates an account of Demosthenes.

9. What are the situations of Lemnos, Imbrus, Thasus, Sciathus, Olynthus, Potidæa, Pydna?

10. Distinguish between *γράφαι* and *γράψασθαι*—

ψήφισμα and *προβούλευμα*—*προέδροι τῆς βουλῆς* and *προέδροι τῆς ἐκκλησίας*. Explain *χειροτονεῖν*—*τὰ θεώρικα*—*ἀντιγράφευς*.

11. Discuss the question of the genuineness of the decrees and other documents found in this oration.

MATHEMATICS.

FIRST PAPER.

1. Prove that surd roots enter only in pairs into an Equation, whose coefficients are rational, and that an Equation of an odd order must have at least one irrational root.

2. There cannot be more positive roots than changes of sign, or more negative roots than permanences.

3. Prove the rule for freeing an Equation from the 3rd term.

4. Find by the method of divisors one root of the Equation

$$x^4-9x^3+23x^2-20x+15=0$$

5. Show that the Equation $2y^2-3xy-2x^2-y+2x=0$ represents two straight lines at right angles to one another.

6. Determine the position and form of the curves

$$x^2=3y-x$$

$$5x^2+2xy+5y^2-12x-12y=0$$

7. Find the Equation to Oblique axes in the parabola.

8. Prove the Equation to the Asymptotes in the Hyperbola,

$$xy=\frac{a^2+b^2}{4}$$

SECOND PAPER.

1. Differentiate $\sqrt{\frac{1-x+x^2}{1+x+x^2}}$; y^z : Integrate $\frac{(b-a)\,dx}{(x+b)^2}$, $\frac{x^3}{(2+x)^2}$.

2. Find the values of x which make u a maximum, or a minimum, in the Equation $u=x^3-7x^2+8x+32$.

3. Find the subtangent and subnormal of a plane curve.

4. Investigate an expression for the area of a plane curve, and apply it to find the area of a circle.

5. Prove in the circle $dz=\frac{dy}{\sqrt{1-y^2}}$, and apply it to find the arc in terms of the sine.

6. Prove Taylor's Theorem, and apply it to find the sine in terms of the arc.

7. Find the logarithm of $(1+x)$, and thence deduce a rapidly converging formula for the computation of logarithms.

8. Find the radius of curvature of the cycloid, and show that the evolute of the cycloid is an equal and similar semicycloid.

PHYSICS.

FIRST PAPER.

1. If h represent the area described in a unit of time, the force at any point P of an orbit is measured by $\frac{2h^2}{SP^2}\ \frac{QR}{QT^2}$, or by $\frac{2V^2}{PV}$, PV

being the chord of curvature through the centre of force.

2. A body revolves in an Ellipse; find the law of force tending to one of the foci.

3. A body moves in a Hyperbola; find the law of force tending to one of the foci.

4. In different Elliptic orbits, having a common focus, the squares of the periodic times are as the cubes of the mean distances.

5. Compare the velocity at any point of a conic section, described about a centre of force in the focus, with that of a body at the same point moving in a circle, (radius SP) and described about the same centre of force.

6. Investigate the differential Equations, expressing the relations which exist between force, the space described, the velocity, and the time of motion.

7. A particle moving obliquely is attracted towards a fixed point; determine the differential Equation of its path referred to polar coordinates, $F = \frac{h^2 u^2}{\theta} (d^2 u + u)$.

SECOND PAPER.

1. Explain the action of the differential pulley block.

2. Find the centre of gravity of a parabola.

3. The distance between the earth and moon, and their relative masses 80, and 1, being given, find the point of equal attraction between them in semidiameters of the earth.

4. A glass tube 30 inches long is filled with mercury except 8 inches. It is then inverted under mercury: at what height will the mercury remain

suspended, the mercury in the barometer being $29\frac{1}{2}$ inches?

5. What must be the vertical angle of a conical vessel so that when placed with its vertex upwards, and filled with liquid through a hole at the vertex, the pressure on the concave circumference may be to the pressure on the base as 4 : 3 ?

6. Prove that in refraction through a prism the minimum deviation takes place only when the angles of incidence and emergence are equal.

7. Find by Foucault's Experiment the time of the rotation of the earth on its axis.

8. Determine the mass of the sun compared with that of the earth.

CHEMISTRY.

FIRST PAPER.

1. Write graphic formulae for—hydroxylamine—potassic dichromate—hypophosphorous acid—anthracene—carbomide.

2. Write formulae for all possible modifications of butyl alcohol, indicate which can be changed to butyric acid, and how the change can be effected; and give the common source of that acid.

3. How is fluosilicic acid made, and for what purpose is its use ?

4. You are given lime, salt, sulphuric acid, pot. dichromate, starch and water, and you are required to make chloroform and acetic acid.

5. How do crystals, not of the cubic system, act with respect to heat and light? Explain the action as far as you can.

6. A pound of a certain metal is heated to 197° F., and then cooled in 3 pounds of water at 40° F., and the resulting temperature is 53° F. Find the atomic weight of the metal.

7. What is "magnesia mixture" and for what is it used?

8. How would you separate arsenic from much organic matter, and determine whether it existed in arsenious or arsenic form? How and for what purpose would you apply Fleitman's test?

SECOND PAPER.

9. How would you separate,—iron from cobalt—calcium from magnesium—silver from lead—the acids from a mixed solution of sulphate, carbonate, phosphate and chloride?

10. What tests would you apply to distinguish between cane, grape and milk sugars?

11. Find the formula of an acid, the silver salt of which contains C=13.79, H=1.15, O=18.39, and silver oxide=66.67 per cent.

12. Give fully the distinctions between gravimetric and volumetric analysis. What special apparatus is required in the latter? What is a normal solution, and how would you make one of sodic carbonate?

13. 15 c.c. of an oxalic acid solution is precipitated by calcic chloride, and the precipitate, after ignition, weighs 0.236 grms. What is the per centage strength of the oxalic solution, and what volume of decinormal alkali solution would exactly neutralize 1.c.c. of it?

14. From a bottle, containing one-half litre of hydro-chloric acid, 5 c.c. are taken, and it is found to require 6.24 c.c. of a .845 normal solution of

alkali to neutralize it. How much water must be added to the remainder of the acid to make it a normal solution?

LABORATORY.

A four hours' working examination in the laboratory, separating bases and acids, and determining the composition of unknown substances.

Volumetric analyses of given solutions.

MENTAL PHILOSOPHY.

FIRST PAPER.

1. *Λέγω δ' ὕλην ἢ καθ' αὑτὴν μήτε τὶ μήτε ποσόν μήτε ἄλλο μηθὲν λέγεται οἷς ὥρισται τὸ ὄν.* Explain the sense in which *ὕλη* is here used. Mention its other senses, and show how they are all connected together.

2. State the main points in Aristotle's discussion of *οὐσία*, pointing out the mutual relations of (1) *τὸ ὑποκείμενον*, (2) *τὸ τί ἦν εἶναι*, (3) *τὸ ἐκ τούτων*, (4) *τὸ καθόλου*.

3. "Science and Definition deal on the one hand with the universal, and on the other hand with substance which is individual." Is there any contradiction between these two views of Aristotle?

4. *τὸ ἀτελὲς μέγεθος γενέσει μὲν πρότερον ἐστι, τῇ οὐσίᾳ δ' ὕστερον.* Explain and illustrate the contrast here indicated.

5. State Aristotle's view of the *τι ὃ οὐ κινούμενον κινεῖ.*

6. How far are the imperfections of Plato's Ideal Theory corrected by Aristotle?

7. Give the main points in Berkeley's defence of his *Principles of Human Knowledge*. Is the defence valid ?

8. Distinguish between the so-called Idealism of Berkeley and the Critical Idealism of Kant.

SECOND PAPER.

1. Explain the views in regard to "abstract general ideas" of Locke, Berkeley, Hume and Mill, and examine the general principle on which they rest.

2. Compare Locke and Hume on the origin of the idea of Extension.

3. State the views of Descartes, Hume, Mill and Kant on the foundation of mathematical truth.

4. Explain and examine Hume's account of our belief in the uniformity of Nature, and Mill's doctrine as to the basis of Induction.

5. Examine, with special reference to its bearing on the Critical theory of knowledge, the view of Lewes that "the *a priori* elements of knowledge were originally formed out of ancestral sensible experiences."

6. On what grounds does Kant distinguish between *mathematical* and *dynamical* categories and principles ?

7. "The 'permanent' of Kant, as a 'substratum,' is either (1) not an object of perception, or (2) as a mere relation, is not an object at all." Examine this objection of Balfour to the proof of Substance.

8. "Did not sense itself offer material irreversible sequences, the Category of cause and effect would be null and void." Is this objection of Stirling to Kant's proof of causality relevant ?

THIRD PAPER.

1. Consider the bearing of Kant's criticism of Rational Psychology on Spencer's doctrine that the "substance of mind" is unknowable.

2. Are there any points in which Kant's theory of knowledge seems to need correction or development?

3. Estimate the validity of the Critical solutions of the mathematical and dynamical Antinomies respectively.

4. "Hegel accepts the principle of Spinoza, *Omnis determinatio est negatio*, as the principle of his own dialectic." How far is this true?

5. "Hegel's pure Being is just as much a shot out of a pistol as Schelling's intuition of the Absolute." Examine this criticism of the Hegelian method.

6. "To be conscious of a Limit is to be already beyond it." How has this principle been applied to solve the Dualism of mind and matter, and of finite and infinite? Is the method of solution valid?

7. Explain and examine Hamilton's doctrine of the Conditioned.

8. How are the conceptions of Substance, Cause and Reciprocity related to one another? Can any of them be regarded as the "ultimate of ultimates?" Is the conception of Force such an ultimate?

MORAL PHILOSOPHY.

FIRST PAPER.

1. What modern social problems are dealt with in Plato's *Republic*? Are the solutions there given satisfactory?

2. Compare the views on Education of Plato and Aristotle.

3. Explain fully Aristotle's idea of the State, and compare it with that of Plato.

4. "The good must be *κτητὸν ἀνθρώπῳ*." Show (1) how Aristotle applies this principle in criticism of Plato's idea of the Good, and (2) how it may be applied to the hedonistic view that the Good is a sum of pleasures.

5. Why does Aristotle find it necessary to refer back to his Psychology? Give a table showing the relations of *εὐδαιμονια*, *ἀρετὴ ἠθική* and *ἀρετὴ διανοητική* to each other and to the faculties of the soul. Add remarks.

6. Distinguish between Aristotle's views of *φρόνησις* and *ἡδονὴ*, and the corresponding modern views.

7. State and criticise the ethical and political views of Hobbes.

8. Compare the views as to human freedom of Locke, Hume and Spinoza.

SECOND PAPER.

1. Give and criticise Spinoza's definitions of *Substantia*, *Attributum*, *Modus*, *Aeternitas*.

2. *Omnes ideae, quatenus ad Deum referuntur, verae sunt.* How does Spinoza reach this conclusion?

3. *Ordo et connexio idearum idem est ac ordo et connexio rerum.* Explain the view here indicated, and compare it with the "Transfigured Realism" of Spencer.

4. *Amor dei intellectualis, qui ex tertio cognitionis genere oritur, est aeternus.* Explain this.

5. State the main points in the *De Intellectus emendatione*.

6. "Spinoza's method is one of Abstraction." How far is this true?

7. State and examine Hume's account of the origin and nature of Justice.

8. "The will of every intelligent being is universally legislative." Explain this saying of Kant.

THIRD PAPER.

1. State fully Kant's view of the relations of Theoretical and Practical Reason as regards (1) Freedom (2) Immortality (3) God.

2. Compare Plato and Hegel on the relations of Art and Philosophy.

3. What, according to Hegel, is the final cause of human development, and what are the main stages of that development?

4. What are the postulates which form the foundation of modern international law?

5. Show the connection between ancient Roman conveyance and the idea of contract.

6. "The fact that 'I am I' cannot make *my* happiness intrinsically more desirable than the happiness of any other person." Compare this argument of Sidgwick with Mill's proof of utilitarianism. Is either satisfactory?

7. "Hedonism only values life for the pleasure it yields; evolution only values pleasure for the life it subserves." Explain the alleged discrepancy in recent evolutionary ethics here referred to. Is the criticism valid?

8. What are the relations of Morality and Religion? Is either independent on the other?

GOLD MEDAL IN POLITICAL ECONOMY.

1. What is the par value of sterling exchange in Canada?
2. What effect will the peopling of the North West have on the older part of the Dominion?
3. Give your views of the advisability of a bi-metallic currency.
4. How do you account for the present low rate of interest in Ontario?
5. Are there any national dangers to be apprehended from the uncontrolled issue of the so-called rag-money?
6. Would it be advisable that all municipal taxes should be imposed exclusively on real property? Explain.
7. Would the imposition of an import duty on sugar exported by countries which give bounties on that article be in accordance with the laws of Free Trade?
8. Can a grant of municipal funds to assist a local enterprise be justified on sound economic principles?
9. What is the true object of statesmanship in the regulation of the economic affairs of a nation?
10. Is Mr. Gladstone's Land Bill for Ireland consistent with the principles of justice and of sound economy?
11. Show the disadvantages of small holdings in Ireland. Would any benefits accrue from their compulsory enlargement?
12. Explain the disadvantages of the system of primogeniture. What improvement, if any, in the system of land tenure in England would you propose?

HISTORY.

FIRST PAPER.

1. What seems to have been the mode of allotting land among the Anglo-Saxon settlers in Britain? What was the "Maegth?"
2. What were Folcland and Bocland, also Laenland? What burdens were attached to the possession of these lands respectively?
3. Define the township, the hundred, the shire and the burghs with the courts of each, the extent of their jurisdiction, and the principal officers.
4. How did the ecclesiastical division conform to these territorial divisions?
5. Give a sketch of the growth of kingship among the Anglo-Saxons.
6. What was the constitution of the Witenagemot? What were its powers, legislative, judicial, and as restraining the Royal power?
7. In judicial matters how were facts determined?
8. How was succession to the throne decided?
9. After the Norman conquest, what change took place in regard to Folcland?
10. State any difference between feudalism in England and in France.
11. Explain terms by Grand-Serjeanty, Petit-Serjeanty, in Free Socage and in Villeinage.
12. What was the office of justiciar? What were the occasions of the first appointment?
13. "The most important articles of the Constitution of Clarendon may be conveniently arranged in five groups." What are these groups?

SECOND PAPER.

1. Lord Chatham said "there were three great political documents which formed the Bible of the English Constitution." What are these? Give a summary of each.

2. What was the origin of the Judicial character of the House of Lords?

3. Give a short history of the Court of the Star Chamber.

4. State the several cases of Impeachment to the close of Henry VI. reign.

5. "During Edward III. reign the Commons established as essential principles of Government three great rights." What were these?

6. What is the earliest occasion when were established the now well-known axioms of Parliamentary law, (1) that all money bills must originate in the House of Commons; (2) that the King ought not to take notice of any matters debated in Parliament until a decision is arrived at and regularly brought before him. Mention any infringements of either of these privileges.

7. What is tonnage and poundage? What is ship-money?

8. What were the circumstances of the impeachment of the five members? What were the grounds of impeachment.

9. When was the Habeas Corpus act passed? Mention instances of its suspension.

10. What is the act of settlement? State in general its terms.

THIRD PAPER.

1. Guizot says, "The history of the political insti-

tutions of Europe divides itself into four general epochs. What are these epochs ?

2. What is the true principle of representative government ?

3. Accepting as a fact that society and government imply one another, what is the first social law ?

4. What is Rousseau's view of society in government as expressed in " The Social Contract ? Point out fully his error.

5. Compare aristocratic government, and also democratic government, with the true principle of representative government.

6. What are the forms essential to representative government ? State them fully, giving the reasons why they are essential.

7. Give a short examination of the reasons for direct and for indirect election.

8. State the principle of the division of the legislative power into two houses. Point out its practical merit.

ENGLISH LITERATURE.

FIRST PAPER.

1. Translate into English :

Tha hine *heowon*
hæthene scealcas,
and begen tha beornas
the him *bigstodon*,
Ælfnoth and Wulmer begen
lagon tha on-emn
hyra frean,
feorh *gesealdon*.
Hi *bugon tha* fram beaduwe
the thær beon moldon ;
thær wurdan Oddau bearn
ærest on *fleame*,
Godric fram guthe,
and thone godan *forlet*,
the him mænigne oft
mear *gesealde* ;
he *gehleop* thone *eoh*,
the *ahte* his hlaford,
on tham *geræaum*
the hit riht ne wæs,
and his brothru mid him
begen ærdon,
Godrinc and Godrig,
guthe ne *gymdon*,
ac *wendon* fram tham wige,
aud thone wudu *sohton*,

flugon on thæt fæsten,
and hyra feore burgon,
and *manna* ma
thonne hit ænig mæth wære,
gyf hi tha *gearnunga*
ealle *gemundon*,
the he him to duguthe
gedon hæfde ;
swa him Offa on dæg
ær *asæde*,
on tham methel-stede,
tha he gemot hæfde,
thæt thær modlice
manega *spræcon*,
the eft æt tære [hilde]
tholian noldon.
Tha *wearth afeallen*
thæs folces ealdor,
Æthelrædes eorl ;
ealle *gesawon*
heorth-geneatas
thæt hyra heorra læg.

2. Parse the words in italics.

3. Explain *umlaut* and also, *ablaut*, and give examples of each—*a-umlaut*, *i-umlaut*, *u-umlaut*.

4. Decline *Hlitha* and explain the umtaut in this case.

5. Decline the adjective *Glad* definitely and also indefinitely.

6. Conjugate the imperfect indicative of Gan.

SECOND PAPER.

1. Translate into Modern English the following passage :

The king Leir *iwerthe* swa blac,
swilch hit a blac cloth weiren
iwærth his hude and his heowe,
for he was *suthe ihærmed*,
mid there wræththe he wæs isweued,
that he feol i swowen ;
late theo he up *fusde* ;
that mæiden wes afeared,
tha hit alles up brac,
hit wes vuel that he spac :
Hærne Cordoille,
ich the telle wille mine wille ;
of mine dohtren thu were me durest,
nu thu eært me arle læthes :
ne scalt thu næuer halden
dale of mine lande ;
ah mine dohtren ic wille
delen mine riche,
and thu scalt worthen warchen,
and *wonien* in *wansithe*,
for nauere ich ne wende
that thu me woldes thus scanden,
tharfore thu scalt beon dæd ic wene :
fliy ut of min eæh-sene,
thine sustren sculen habben mi kinelond,
and this me is *iqueme*.
The duc of Cornwaile
scal habbe Gornoille,
and the Scottene king
Regau that scone ;
and ic hem yeue al tha winne
the ich æm *waldinge* ouer.
And al the alde king dude
swa he hafuede *idemed*.
Of wes then mæidene wa,
and næure wors thenne tha,

wa hire wes on mode,
for hire fæder wærthe ;
heo uende into hire boure,
thar heo ofte sætte sare ;
for heo nolde *liyen*
hire fader leoue.
That maide wes swithen *swome-fest*,
for hire fader heo *scunede*,
and dude thene beste red ;
in hire bure heo abed,
and *tholede* thene mod-kare,
and mornede swithe ;
and thus ane stonde
hit stod æ thon ilka.

2. Parse the words in italics.

3. State any changes in the language of this passage from Anglo-Saxon.

4. Compare the story of King Leir as narrated in Layamon's Brut. with King Lear of Shakspeare's Tragedy.

THIRD PAPER.

1. Transfer into modern English the following passage :

The statue of Mars upon a carte stood,
Armed, and loked[e] grym as he were wood ;
And over his heed ther schyneth two figures
Of sterres, that been *cleped* in scriptures,
That oon Puella, that othur Rubius.
This god of armes was arayed thus.
A wolf ther stood byforn him at his feet
With eyen reed, and of a man he eet ;
With sotyl pencel depeynted was this storie,
In *redoutyng* of Mars and of his glorie.
Now to the temple of Dyane the chaste
As schortly as I can I wol me haste,
To telle you al the descripcioun.
Depeynted ben the walles up and doun,
Of huntyng and of *schamefast* chastité.
Ther saugh I how woful Calystopé,
Whan that Dyane was agreved with here,
Was turned from a womman to a bere,
And after was sche maad the *loode-sterre ;*
Thus was it deynted I can say no ferre ;
Hire son is eek a sterre, as men may see.
Ther saw*gh* I Dane turned intil a tree,
I mene nou*gh*t the goddes[se] Dyane,
But Peneus dou*gh*ter, the whiche *hight* Dane.
Ther saugh I Atheon an hert *i-maked*,
For vengance that he saugh Dyane al naked ;
I saugh how that his houndes han him caught
And freten him, for that they knew him naught.
Yit i-peynted was a litel fothermore.

How Atthalaunce huntyd[e] the wilde bore,
And Melyagre, and many another *mo*,
For which Dyane wrought hem care and woo.
Ther saugh I eek many another story,
The which me *list* not drawe in to memory.
This goddes[se] on an hert ful hyhe seet,
With smale houndes al aboute hire feet,
And undernethe hir feet sche had [de] the moone,
Wexyng it was, and schulde wane soone.
In gaude greene hire statue clothed was,
With bowe in hande, and arwes in a cas.
Hir *eyghen* caste sche ful lowe adoun,
Ther Pluto hath his derke regioun.
A womman travailyng was hire biforn,
But for hire child so longe was unborn
Ful pitously Lucyna *gan* she calle,
And seyde, 'Help, for thou mayst best of alle."
Wel *couthe* he peynte lyfly that it wrought[e],
With many a floren he the *hewes* bought[e].
Now been thise listes maad, and Theseus
That at his grete cost arayed[e] thus
The temples and the theatres every del,
Whan it was don, it liked him right wel.
But *stynt* I wil of Theseus a lite,
And speke of Palomon and of Arcite.

THE KNIGHTES TALE.

2. Parse and give the derivation of the words in italics.

3. Scan the first four lines of the extract.

4. Write a short critical essay on Shakespeare's Hamlet.

5. Transfer into modern English the following passage:

1 What man so *wise*, what earthly *wit* so *ware*,
As to discry the *crafty* cunning traine,
By which deceipt doth maske in visour faire,
And cast her colours *dyed deep in graine*,
To seeme like truth, whose shape she well can faine,
And fitting gestures to her purpose frame;
The guiltlesse man with guile to entertaine?
Great *maistresse* of her art was that false dame,
The false *Duessa*, cloked with *Fidessaes* name.

2 Who when, returning from the drery Night,
She fownd not in that perilous house of Pryde,

Where she had left the noble Redcrosse knight,
Her hoped *pray ;* she would no lenger *bide*,
But forth she went to seeke him far and wide.
Ere long she fownd, whəreas he wearie sate
To rest him selfe, foreby a fountaine side,
Disarmed all of yron-*coted plate*,
And by his side his steed the grassy *forage* ate.

3 He feedes upon the cooling shade, and *bayes*
His sweatie forehead in the breathing wind,
Which through the trembling leaves full gently playes,
Wherein the chearefull birds of sundry kind
Do chaunt sweet musick, to delight his mind:
The witch approching *gan* him fairely greet,
And with reproch of carelesnesse unkind
Upbrayd, for leaving her in place unmeet,
With fowle words *tempring* faire, soure gall with hony sweet,

4 Unkindnesse past, they gan of solace treat,
And bathe in pleasaunce of the joyous shade,
Which shielded them against the boyling heat,
And, with greene boughes decking a gloomy shade,
About the fountaine like a girlond made;
Whose bubbling wave did ever freshly well,
Ne ever would through fervent sommer fade:
The sacred nymph, which therein wont to dwell,
Was out of Dianes favor, as it then befell.

SPENSER'S FAERY QUEENE.

6. Parse and give the derivation of the words in italics.

7. Give a short sketch of Spenser's life.

8. Explain the form of the Spenserian stanza, and scan the last four lines of the above extract.

FACULTY OF THEOLOGY.

PASS EXAMINATION.

HEBREW.

FIRST YEAR.

1. Translate (1) Gen. ii. 3, (2) Ruth ii. 22, (3) Ruth iii. 13-15, (4) Ps. xxxv. 5, (5) Ps. xxxvi. 3 (6) Ps. xxxvii. 7.
2. Analyse (1) תִּדְשֵׁא (2) וְכִבְשָׁהָ (3) וַיִּשְׁאוּ (4) וַיֵּקַר (5) שְׁעָרִים (6) לְמֵשִׁיב.
3. Root of (1) עִיר (2) נַעַל (3) יִשְׂרָאֵל (4) שִׁיבָה.
4. In לא verbs in what vowel does א quiesce in preterite?
5. In פ"ן verbs (1) where is נ assimilated? (2) where is it dropped?
6. Define the three classes of irregular verbs.
7. Point out the Hebraisms Gen. i. 2.
8. Shew that רוּחַ אֱלֹהִים, Gen. i. 2, means the Spirit of God.
9. How do you account for the use of different names of God in Gen. i., ii?
10. (1) Why is it supposed that Adam before the Fall had not dominion over wild beasts? (2) Without such dominion how could he have been safe?
11. (1) How much was an ephah? (2) How long would an ephah of barley support Naomi and Ruth?

12. What was קָלִי Ruth ii, 14?

13. (1) What is peculiar in the composition of Ps. xxxvii? (2) What book of scripture does it resemble in style?

SECOND YEAR.

1. Translate (1) Exod. xv., 13—15 (2) Ps. xliv., 9—11 (3) Prov. xxxi., 19—21 (4) Eccles. x., 18—20.

2. Analyse (1) יִדְּמוּ (2) בְּתֻפִּים (3) תְּמָרִים (4) וַיִּלּוֹנוּ (5) לְצֵאת (6) נְשָׁרִים (7) הַעֲדֹתָה.

3. Root of (1) זְבוּב (2) חוֹרִים (3) סִיר (4) דַּק (5) עֹמֶר (6) גַּד.

4. What is the number of nouns when joined with (1) units? (2) tens? (3) tens and units?

5. What is parallelism in Hebrew poetry?

6. Explain a peculiar use of two successive imperatives.

7. State (1) the position (2) the case of the subject of the infinitive.

8. What is the Hebrew idiom answering to a conjunction with a finite verb in English?

6. (1) How do Roman Catholics divide the decalogue? (2) What are the objections to that division?

10. Why was the command about the altar, Exod. xx. 24, 25, given?

11. Explain the imprecations in the Psalms.

12. (1) What is peculiar in the composition of Prov. xxxi? (2) In what other parts of scripture is the same peculiarity found?

THIRD YEAR.

1. Translate (1) Is. lvii. 6-11, (2) Ps. cxiv. 4-7, (3) Dan. ii. 44, 45.
2. Analyse (1) הִבָּ֫רוּ (2) הַתֵּ֫ר (3) בָּאַשְׁמַנִּ֫ים (4) כַּדֻּבִּים (5) אַזְדָא (6) אֲדַרְגָזְרַיָּא.
3. Root of (1) עָשׁ (2) צֶמֶר (3) קֻבַּעַת (4) תּוֹא.
4. Shew that in A. V. the translation of (1) אֶחָד, Is. li. 2, (2) נַעֲנֶה, Is. liii. 7, is incorrect.
5. Account for the peculiar use of לְאֹם, Is. li. 4.
6. Explain syntax of אַתָּה, li. 16.
7. With what does נָתַן, Is. lv. 10, agree ?
8. What is the subject of הָיָה, Is. lv. 13 ?
9. State the objection to Ewald's emendation of בָּנוּ, Is. lviii. 12.
10. In what different ways may מִי, Is. li. 19, be translated ?
11. Give reasons for considering עֶבֶד יְהוָה to be the speaker, Is. li.
12. Shew that the literal Jerusalem is not meant, lii. 1.
13. Shew that עִבְדִי, Is. lii, 13, refers to Christ.
14. Account for the enallage personarum, Is. lii. 14.
15. Refute the objections to the authenticity of the Book of Daniel drawn from (1) the proportions of the image, iii. 1, (2) the religious persecution, iii. 6, (3) the names of the musical instruments, iii. 10.

GREEK TESTAMENT.

St. John's Gospel.

1. Translate x. 1-13.
2. Analyse, (1) *ἱμαντα*, i. 27.
   (2) *ἐληλακότες*, vi. 19.
3. How do *ἀποστελλω* and *πεμπω* differ ?
4. Correct the Textus Receptus (1) i. 18, (2) iii. 25, (3) iv. 42, (4) v. 44, (5) vi. 69, (6) ix. 35.
5. On what grounds is the passage vii. 53—viii. 11, rejected ?
6. How does the plan of John's gospel differ from that of others ?
7. Give the history of the use of *λογος* as a personal term.
8. How many miracles does John record ? What is remarkable about the record of (1) the first miracle ? (2) the last ? (3) the feeding of the five thousand ?
9. Shew the fallacy of the views of Renan and Paulus in regard to vi. 1-5.
10. Shew from ii. 11 the spuriousness of the apocryphal gospels.
11. Shew that the use of *ἐν* in *βαπτιζω ἐν ὑδατι*, i. 26, does not imply baptism by immersion.
12. What are the reasons for translating *πνευμα* spirit, iii. 8 ?
13. What is the mood of *ἐρευνατε*, v. 39 ? Give your reasons.
14. Where were Bethlehem, Nazareth, Capernaum, Cana ? Their modern names ?

BIBLICAL ANTIQUITIES.

1. Describe the tabernacle and state the contents of each of its parts.

2. State the principle on which the materials of offerings were fixed.
3. Give an account of (1) the burnt offering, (2) the peace offering, (3) the meat offering.
4. Who were meant by the first-born? They were redeemed (1) by whom? (2) in what sense? (3) why?
5. Describe (1) the official dress, (2) the special functions of the High Priest.
6. What animals were clean among (1) the larger? (2) the small? (3) the water?
7. Explain the levirate law.
8. Mention the contents of the ark.
9. Give an account of the dedication of the priests. How were they supported?
10. Circumcision was (1) a symbol of what? (2) originated where? (3) was practised by what races?
11. (1) The use of vows? (2) the two kinds? (3) What vows not binding? (4) What things could not be vowed? (5) What things when vowed *(a)* could be redeemed? *(b)* could not? *(c)* must?

CHURCH HISTORY.

The Reformation.

1. Mention some of the errors and abuses of the Western Church, calling for reformation, at the beginning of the 16th century—also, some of the efforts made within the church to remedy those errors and abuses—and, some of the causes that paved the way for the Reformation.
2. Trace the course of experience that brought Martin Luther into conflict with the Church of Rome. Give the reasons which Roman Cath-

olics assign for his antagonism to their church, and refute the charges they bring against him.

3. What relation did the Diets of Worms, Nuremberg, Augsburg and Spires bear to the Reformation? Give their respective dates.

4. Give some account of the leading Reformers (1) of Germanic Switzerland—(2) of Romanic Switzerland. Explain the share which Calvin had in bringing about the death of Servetus.

5. Give the derivation of the term "Huguenots," and describe them. What was the massacre of St. Bartholomew? Give its date and tell how it was regarded at Rome, with proof.

6. What part did Henry VIII, Elizabeth and Edward VI, of England, take, respectively, in promoting the Reformation? State briefly Mr. Froude's apology for Henry's many marriages and divorces.

7. Trace the early history of the Reformation in Scotland, and give the names of the leading actors in the same.

8. Indicate generally the boundaries of Popery and Protestantism in Europe—tell when those boundaries were fixed—and mention the two greatest agencies in forwarding the Roman Catholic reaction.

9. When did the Council of Trent, the Synod of Dort, and the Westminster Assembly respectively meet? State briefly the whole work which they severally accomplished.

10. What views on the relation of the Church of the State were held by Erastus, Grotius, Selden, Luther, Calvin, Knox, Hooker, Warburton, Coleridge and Dr. Arnold respectively?

APOLOGETICS.

1. Mention some causes of modern unbelief.
2. Shew from the analogy of His providential government that neither the justice nor the goodness of God would lead us to expect specially convincing evidence of His being and attributes; least of all such evidence as would *compel* assent.
3. Define Apologetics. Is a scientific and systematic treatment of Apologetics possible?
4. Criticise the following statement: "All that we are certain of in our continued existence is a series of states of consciousness." (Huxley).
5. Criticise the demand for proof of first principles.
6. Answer briefly the following objections to the teleological argument:
   a "The world is a singular effect, and so we can conclude nothing in regard to its origin." (Hume).
   b "Contrivances are only needed to overcome difficulties, therefore the author of them is not omnipotent." (Mill).
   c "The idea of God derived from this argument is wholly anthropomorphic and absurd. God is unknowable." (Spencer).
   d "If marks of design suggest a designer, then the Deity himself must have been designed." (Holyoake).
   e "Order is due to an unconscious intelligence immanent in the universe itself." (Hartmann).
7. On what assumptions does Mill's statement, "The changeable element in nature requires no First Cause," rest?
8. What testimony does conscience bear to the Being and Attributes of God?
9. Shew that the existence of sin does not contradict any of the divine attributes.

10. State and criticise Descartes' a priori argument.
11. Discuss the following statements:
    a "There is no God" is self-contradictory. (Flint.)
    b Self-existence is inconceivable. (Spencer).
12. In what sense did Dr. Clarke consider *space* and *time* to be "attributes" of the Absolute Being?

SYSTEMATIC THEOLOGY.

FIRST PAPER.

1. What does the cross teach?
2. Give the fundamental truths with regard to God's election and man's free-will.
3. State and criticize "the five points" of the Remonstrants.
4. What were the characteristics of Christ's method in seeking the conversion of sinners?
5. How are natural and Christian faith related?
6. Summarize the teachings of Paul in the first part of the Ep. to the Romans.
7. Show that Justification and Sanctification are connected.
8. What objects was the Mosaic law intended to serve?
9. What effects had it upon the Jews, nationally and individually?
10. In what relation do we stand to the law?

SECOND PAPER.

1. Mention the chief questions of Eschatology.
2. What truths respecting the Second Advent are revealed?
3. Give the principal interpretations of the predicted Apostasy and Anti-Christ.

4. Show that Christianity necessitates the formation of a Society.
5. Define the Church, on the theory of Romanism and of Protestantism respectively.
6. Prove that unity in manifoldness has been a note of the Church from the Apostolic age.
7. Give other notes of the Church.
8. Explain the rapid growth of centralization in the Church.
9. What two factors are required for the development of Christian Dogma ?
10. What powers are inherent in the Church ?

FACULTY OF LAW.

COMMON LAW—FIRST YEAR.

R. V. ROGERS, B.A., Examiner.

Only ten questions to be answered.

1. What is a contract ? What a unilateral contract ? What a bilateral contract ? What an express contract ? What an implied contract ?
2. Explain the terms, (1) contract of record, (2) contract by deed, (3) simple contract. Give examples.
3. What contracts have to be in writing under the Statute of Frauds ?
4. What is "maintenance," and what "champerty" ?
5. Give the three absolute rights of individuals.
6. How may corporations be dissolved ?
7. What are the three principal duties of parents towards their children ?
8. Give fully the requisites of a valid marriage. How are marriages dissolved ?
9. For what acts of a servant is a master responsible ?

10. Name the different degrees of nobility now in use in Great Britain and Ireland, and state how peers may be created.
11. What are the legal distinctions between aliens, denizens and natural-born subjects ?
12. Mention some of the ordinary revenues of the crown.

CRIMINAL LAW—FIRST YEAR.

B. M. BRITTON, M.A., Q.C., Examiner.

1. Who are incapable of committing crime ?
2. What is the age under which an infant can not be guilty of felony ?

   Under what age is an infant prima facie adjudged to be "*doli incapax*" ?
3. Who is an accessory ? What offences admit of accessories, and what, not ?
4. What is meant by "the law of nations" ?
5. What are the two divisions of criminal offences ?
6. What is a felony ?
7. What is meant by praemunire ?
8. Define "barretry," "champerty" and "maintenance."
9. Explain the distinction between *riot*, *rout* and unlawful assembly ?
10. What is an indictment ?
11. What is meant by "*benefit of clergy*" ?

EQUITY—FIRST YEAR.

RICHARD T. WALKEM, Q.C., Examiner.

1. Give a short account of the origin of our Equity system.
2. State the three divisions of Equity Jurisdiction. Give examples.

3. What is meant by an Equity of redemption?
4. What are the several kinds of mortgages of real estate? Describe them.
5. Give the origin of Equity jurisdiction in matters of account.
6. What is the meaning of specific performance? Are there any cases in which it is applied to personal property? If so, state them.
7. Will the Court enforce specific performance of an agreement for personal service? Give the reason for your answer.
8. What are the several divisions of Trusts? Describe them.
9. What is the meaning of Election? In what cases is a widow compelled to elect between dower and a provision made for her by her husband's will?
10. What are the provisions of Locke King's act? Have we any corresponding statute in this Province?

REAL PROPERTY—FIRST YEAR.

G. M. MACDONNELL, B.A., Examiner.

Only ten questions to be answered.

1. Distinguish between feudal tenure and allodial tenure.
2. What was enacted by the Stat. Quia emptores? What was the effect of the Statute?
3. What was enacted by the Stat. De Donis conditionalibus? What was the effect of the Stat.?
4. What was enacted by the Stat. of Uses? What was the effect of the Stat.?
5. What was the object of the Statutes of Mortmain? How was that object evaded?
6. Lands as to the immediate freehold now "lie in

grant." Explain and describe former, and present modes of conveyance.

7. Define, an estate for life, an estate pur untre vie, an estate in tail special.
8. What are "*Covenants running with the land?*"
9. What is necessary to entitle widow to dower in husband's legal and equitable estates in land?
10. What are the *unities* of a joint tenancy, and of a tenancy in common?
11. Define, and distinguish between, a contingent remainder, and a vested remainder.
12. A tenant in fee, grants by way of mortgage to B, and his heirs. What estates arise in A and B respectively, by such a conveyance?

EXAMINATIONS IN MEDICINE.

MATERIA MEDICA.

1. State the circumstances which modify the effects of medicines in the young and aged, giving examples.
2. Write a prescription (in a case of Chronic Rheumatism) for a mixture containing Guiacum, Colchicum, Iodide of Potassium and Cinnamon Water, with directions for use.
3. Give the doses of the following medicines :—*Acids*—Arsenious, Carbolic, Tannic, Salicylic, Nitro-Hydrochloric, diluted Sulphuric; *Tinctures*—Aconite [root], Aconite [leaves]; Extract Belladonna, Extract Nux Vomica; *Powders*—Charcoal, Ergot of Rye, Gamboge, Corrosive Sublimate, Jalap—simple and compound, Yellow Sulphate of Mercury, Digitalis; Croton Oil, Male Fern, Almond Oil, Creasote, Chloral Hydrate,

Carbonate of Iron, Sulphate of Iron, Liquor Potassæ, Carbonate of Potassium.

4. How is Rochelle Salts made? What effect has it on the urine?
5. What do you understand by an aqueous diuretic? Give three examples.
6. What are the chief effects of mercurials on the system?
7. Mention the antacids best adapted for neutralizing acids—1st, in intestinal canal; 2nd, elsewhere; giving reasons why some antacids are preferable in the one case and some in the other.
8. Give three cathartics acting on different parts of intestinal canal; pointing out their effects on the system and time required to produce such effects.

INSTITUTES OF MEDICINE.

1. Give the causes of the 1st and 2nd sounds of the Heart. Describe the coagulation of the blood, and mention the circumstances that hasten it.

   State the difference of composition of Male and Female Blood.
2. Describe the movements of the Chest in Inspiration and Expiration, explaining the difference between Tidal and Residual air; state how the Residual air is expelled from the Lungs, and state how much air is changed in each Respiration, and the quantity of air respired daily by a healthy adult.
3. Describe how Carbonic Acid is formed in the Lungs. What influence upon the Exhalation of Carbonic have—Moist Air, Menstruation, Pregnancy, Cold, Alcohol, Skin Diseases respectively?
4. Give the names and uses of the various secretions of the skin.

5. Describe the absorption from the Intestines of Chyle, where it is taken to and what becomes of it.
6. State the functions of the Nervous System.
7. Give the reasons for believing that Nerve Force and Electricity are separate forces.

ANATOMY.

1. Indicate the regions of the Abdomen, and name the organs and parts of organs found in each.
2. Describe the apparent origin, course and distribution of the fifth nerve.
3. Define the triangles of the neck, and name in order the parts found in the Superior Carotid.
4. Name in order the parts cut through in—*a*, amputation at the middle of the thigh ; *b*, at the middle of the forearm.
5. In dislocation of the head of the humerus into the axilla, tell the condition of the soft parts.
6. Describe the heart, and give its relations to the lungs and to the chest walls.

CHEMISTRY.

1. If one volume each of the following gases be burned with Oxygen, what gases, and what volumes of each will be formed : Marsh gas—olefiant gas—Phosphine—Hydric Sulphide.
2. Give the composition of the following and state how they are obtained : Ozone—Laughing Gas—Bleaching Powder—Lunar Caustic—White Precipitate—Ether—Salicylic Acid.
3. Give the principal constitutents of the atmosphere, with their uses; and show how the relative amounts of Oxygen, Carbon Dioxide and Water Vapor may be obtained.

4. Give the reactions and products when—
   a. Zinc is put in Hydrochloric Acid.
   b. Tin is acted upon by Nitric Acid.
   c. Iodine is added to Potassic Hydrox. Sol.
   d. Benzoic Acid is heated with lime.
   e. Sugar is fermented by (1) yeast, (2) putrid cheese.
5. How is Ammonium Oxalate formed, and how can you get Cyanegen from it?
6. What prevents evaporation from the free surface of a liquid, and why?

PRACTICAL CHEMISTRY.

1. (*a*) Describe how you would separate the following from much organic matter:
   Lead—Prussic Accid—Arsenic—Oxalic Acid.
   (*b*) Give the distinctive test reactions of each.
2. How would you distinguish Zinc from Aluminum in solution?
3. Ferric Chloride added to a certain solution turns it red. Determine the cause.
4. Give some one reliable test for—*Copper*—an *iodide—Tartaric Acid—Strychnine—Uric Acid.*

PRACTICE OF MEDICINE.

1. Diagnose active from passive congestion of the brain, and give treatment of both.
2. How do Fibrous growths originate? Give the varieties of them and state where they are usually found.
3. Describe the general signs of Acute Pneumonia, and give the physical signs peculiar to each stage.
4. Give particularly and in detail the causes, symptoms, diagnosis and effects of insufficiency of the mitral valves of the heart.

5. Give the conditions of system in which you might expect an attack of Uræmia—its consecutive symptoms, differential diagnosis and treatment.
6. Distinguish between the advanced stages of Dyspepsia, Chronic Gastritis, Ulcer, and Cancer of Stomach, and give the morbid anatomy of the three latter.

OBSTETRICS.

1. Describe the Placenta and Umbilical Cord. How are they formed and what is their function ?
2. Give the reliable signs of Pregnancy.
3. Give the Diagnosis and movements of the fœtal head from beginning until completion of Labor in second position, vertex presentation.
4. Give the causes and treatment of Retained Placenta.
5. Give the causes and treatment of Inversion of Uterus after delivery.
6. State the circumstances which demand Craniotomy, the object of the operation, and the mode of operation.

SURGERY.

1. Detail the changes in the Blood and Blood-vessels, the result of Inflammation, and give reasons for the cause of the latter.
2. Give the varieties of Lymph recognised by pathologists, and state any reasons for considering tubercle one of them.
3. Name only the varieties of Aneurism, and state in order the different modes of treatment, giving the circumstances under which each might be employed.
4. Diagnose Extra from Intra Capsular Fractures of the Cervix Femoris. Give prognosis and treatment, stating the reasons therefor.

5. Describe generally the position, size and relations of the prostate gland. Give the anatomical changes due to enlargement and the treatment.
6. Give in order the parts divided in excision of the elbow joint. What parts should be avoided?

MEDICAL JURISPRUDENCE.

1. Who are competent witnesses? How far is any one bound to give evidence in a Court of Law?
2. How does death usually take place from Mephitic poisons? Describe the *post mortem* appearances in poisoning by Carbon Dioxide.
3. What circumstances would lead you to infer a wound to be *suicidal*, and in cases of suicide what would lead you to suspect *Insanity?*
4. What are the legal and medical tests for insanity? Diagnose Acute Mania, and explain the medico-legal relations of Delirium Tremens and Drunkenness.
5. Explain the Microscopic and Spectroscopic tests for Blood Stains, and how far they afford evidence in criminal cases.
6. State the positive proofs of a child having been entirely born alive, and criticise the objections to the Hydrostatic test.

BOTANY.

1. Describe the typical cell; also, its modifications.
2. How do you distinguish plants from minerals? and from animals?
3. Explain difference between Determinate and Indeterminate Inflorescence, giving the principle forms of each.

4. Name the principal kinds of subterranean stems, and explain how you would distinguish them from roots.

5. Explain what is meant in Classification by Order, Genus, Species, Class.

6. How do you classify fruits ?

7. Give and describe the principal parts of the flower.

8. Describe the structure of an Exogenous stem, and show how it differs from an Endogenous one.

LIST OF GRADUATES.

(Graduates are requested to intimate to the Registrar change of residence or any omissions in the list.)

Those marked thus * are clergymen.

LL.D.

Name	Present address.		Year of Graduation.
His Excellency the Marquis of Lorne	Ottawa		1879
Bell, George	Walkerton	*	1872
Chapman, Edward J	Toronto		1867
Cook, John, D.D	Quebec		1880
Frechette, Louis	Montreal		1881
Kemp, Alexander F	Ottawa	*	1871
Mowat, Oliver	Toronto		1872
Macdonald, Sir J. A	Ottawa		1863
McLaren, Peter	(Deceased)		1868
Romanes, George	(Deceased)	*	1866
Tassie, William	Galt		1871
Thorburn, John	Ottawa		1880
Todd, Alpheus	Ottawa		1881
Willis, Michael	(Deceased)	*	1863
Young, Sir William	Halifax, N.S		1881

D.D.

Bain, William	Perth		1872
Baxter, John C	Scotland		1878
Bayne James	(Deceased)		1865
Bellis, George	Belfast, Ireland		1880
Bergne, Samuel B	London, Eng		1865
Black, John	Kildonan, Manitoba		1876
Caven, William	Toronto		1875
Donald, William	(Deceased)		1861
Fraser, William	Bondhead		1878
Geddie, John	(Deceased)		1866
Geikie, John C	Neuilly, France		1871
Glll, Henry	England		1865
Grant, Peter	Dundee, Scotland		1868
Henderson, William	(Deceased)		1862
Hogg, John	(Deceased)		1871
Macrae, Donald	St. John, N.B.		1881
Mann, Alexander	Pakenham		1876
Muir, James C.	N. Georgeton, Que.		1858

Name.	Present address.		Year of Graduation.
Murray, Issac	Charlottetown, P.E.I		1876
McGillivray. Alexander	(Deceased)		1858
McGregor, P. G.	Halifax, N.S.		1876
McKay, George L	Woodstock		1880
McMorine, John	(Deceased)		1865
Neill, Robert	Burnbrae		1872
Nelles, Samuel S	Cobourg		1861
Nish, James	Sandhurst, Victoria		1881
Pollock, Allan	Halifax, N S.		1876
Reid, William	Toronto		1876
Ross, James	Halifax, N.S.		1864
Sedgwick, Robert	Musquodobit, N.S.		1878
Spence, Alexander	(Deceased)		1864
Stevenson, John F	Montreal		1880
Ure, Robert	Goderich		1876
Wardrope, Thomas	Guelph		1878

B.D.

Ferguson, John	Chesley		1879
Hart, Thomas	Winnipeg		1880
Jardine, Robert	Brockville		1866
McLaren, Ebenezer D	Brampton		1873
McMillan, John	Truro, N.S.		1865
Ross, Donald	Lachine, Que.		1863
Ross, James	Perth		1881
Smith, James C	Guelph		1880

B.Sc.

McDonald, George	Toronto		1878
Mackenzie, Archibald A	Glasgow, Scotland	*	1877
Ritchie, George	Toronto		1878

LL.B.

Boyd, Edward	Cincinatti, U.S.		1863
Buckley, Philip J	(Deceased)		1863
Drummond, Andrew T	Montreal		1863
Gildersleeve, James P	Kingston		1863
Price, Cornelius V	Kingston		1863

B.A.

Agnew, Andrew	Ottawa		1864
Agnew, John	Kingston		1859
Asselstine, Henry A	Kingston		1876
Awde, James	Stanstead, Q	*	1879
Bain, Hugh U	Winnipeg, M.		1871
Bain, John F	Winnipeg, M.		1867
Bain, William	Perth, O.	*	1845
Bain, William R	———		1863
Ballagh, James H.	Cobourg		1878

Name.	Present address.		Year of Graduation.
Bell, Andrew	Carillion, Que		1853
Bell, George	Walkerton	*	1847
Bell, George	Toronto		1878
Bell, John	(Deceased)		1862
Bell, Josiah J	Picton		1864
Bell, William	(Deceased)	*	1855
Benson, John R	Gylpie, Queensl'd, Aus		1853
Bethune, William	Geneseo, Ill		1864
Bissonnette, Julien D	Dundas		1880
Bonner, John	New York		1845
Bourchier, H. P	Valparaiso, S.A		1853
Briden, William	Picton		1880
Brown, William G	Pickering		1881
Burgess, James E	Sydenham		1868
Caie, George J	Forfar, Scotland	*	1861
Caldwell, William	Lanark		1866
Cameron, Charles I	(Deceased)	*	1861
Cameron, Hugh	Glencoe	*	1876
Cameron, John	London. O		1854
Campbell, Alexander	Lower Fort Garry	*	1862
Campbell, Donald	(Deceased)		1850
Campbell, John	(Deceased)	*	1874
Campbell, Robert	Montreal	*	1856
Campbell, Robert	Renfrew	*	1867
Cattanach, John C	DundeeCentre, Q	*	1868
Chambers, Robert	Erzeroum, E. Turkey	*	1866
Chisholm, John	McIntyre's Corners, O		1878
Chrysler, Francis H	Ottawa		1866
Clarke, William C	Belleville	*	1855
Claxton, George	Kingston		1876
Cluness, William R	Sacramento, Cal.		1855
Cormack, James	Newburgh	*	1872
Craig, James J	Mount Forrest		1874
Craig, William	Pittsburgh		1858
Craig, Robert J	Mill Point	*	1871
Crawford, Robert	Kingston		1869
Creeggan, John G	Kingston		1878
Cumberland, James	Amherst Island	*	1877
Cumberland, Thomas D	St. Catharines		1875
Curran, William B	Hamilton	*	1859
Currie, Archibald	Sonya	*	1858
Curry, James W	Port Hope		1878
Daly, Wilber	Napanee		1880
Davis, Bidwell N	Pittsburgh		1881
Dawson, Alexander	Gravenhurst	*	1869
Dingwall, James	Cornwall		1861
Donald, William	Orangeville		1873
Douglas, James	Phœnixville, Pa		1858
Douglas, Robert	Port Elgin		1851

Name.	Present address.		Year of Graduation.
Dow, John Ball	Whitby		1875
Downing, James J	Perth		1881
Drummond, Andrew T	Montreal		1860
Drummond, Francis A	Winnipeg, M		1877
Dunbar, Neil	(Deceased)		1854
Dupuis, Nathan F.	Kingston		1866
Dyckman, Henry M	Lanesboro, Mo		1877
Eakin, Joseph S	Mt. Albert	*	1866
Edmison, Henry	Rothesay, O	*	1863
Elliott, Thomas A	Brockville		1879
Evans, Joseph	St. Paul's, N. Car	*	1855
Fenwick, Kenneth N	Kingston		1871
Ferguson, George D	Kingston	*	1851
Ferguson, James F	Napanee		1862
Ferguson, John	Chesley, O	*	1876
Ferguson, Thomas B	Cincinatti, Ill		1863
Ferguson, William B	Napanee		1861
Fowler, Henry C	Carleton Place		1881
Fraleck, Edison B	Belleville		1863
Fraser, Alexander G	(Deceased)		1852
Fraser, Archibald	(Deceased)		1848
Fraser, Donald	Mount Forest	*	1864
Fraser, George L. B	Ottawa		1870
Fraser, James	Chatham, Q	*	1865
Fraser, John F	Metcalfe, O	*	1869
Fraser, John M	London		1855
Fraser, Joshua	Montreal		1858
Fuller, William H	Kingston		1867
Gallaher, John	Pittsburgh	*	1878
Gibson, William J	Belleville		1874
Gillies, George	Gananoque		1874
Givens, David A	Kingston		1878
Glassford, Thomas S	Richmond, O	*	1875
Gordon, James	Clifton, O	*	1851
Gordon, John	Brockville		1861
Grant, James A	Ottawa		1878
Gray, John	Orillia	*	1874
Hamilton, Andrew	(Deceased)	*	1855
Hamilton, John	Kingston		1877
Harkness, Thomas F	(Deceased)		1862
Hart, Thomas	Winnipeg, M	*	1860
Heath, Frederick C	Kingston		1878
Heenan, Daniel	(Deceased)		1849
Herald, John	Dundas		1876
Hooper, Edmund J	Napanee		1858
Hope, James A	(Deceased)		1862
Hume, John P	Burnbrae		1881
Hunter, Alexander	(Deceased)	*	1861
Hutcheson, James	Brockville		1881

Name.	Present address.		Year of Graduation.
Ireland, Charles F	Kingston		1866
Irvine, William H	Morrisburg		1877
Jamieson, Alexander	Kansas City, U.S.		1863
Jardine, Robert	Brockville	*	1863
Johnson, William	Palmerston		1849
Knight, Archibald P	Kingston		1872
Lang, William A	Lunenburg	*	1873
Langill, Paul F	Dominion City, M.		1881
Lavell, John R	Smith's Falls		1877
Lennox, David			1861
Lewis, Lewis	Derby, Eng	*	1881
Lindsay, John	(Deceased)	*	1852
Lindsay, Peter	Three Rivers, Q.	*	1851
Linton, Adam R	Orono		1881
Livingston, John	(Deceased)	*	1857
Livingston, Peter S	Russeltown, Q.	*	1870
Lochead, John S	Londesboro, O.	*	1861
Love, Andrew T	Scotland		1878
Lunam, Henry	Litchfield		1877
Machar, John M	Kingston		1857
Mallock, Archibald E	Hamilton		1862
Malloch, Edward G	Perth		1860
Malloch, George	Arnprior		1865
Malloch, George W	Paisley, O		1850
Mason, James W	Pugwash, N.S		1878
Mattice, William D	(Deceased)		1847
May, John	Ottawa		1857
Miller, Thomas	Milton, O		1852
Miller, Thomas	Flamboro, O.		1854
Milligan, George	Toronto	*	1862
Mordy, John	Annan, O.	*	1875
Morrison, Duncan	Owen Sound		1862
Morrison, Duncan	Scotland	*	1866
Mowat, John B	Kingston	*	1845
Muckleston, John S	Kingston		1865
Mudie, John A	Kingston		1863
Mair, Alexander	Markham		1851
Muir, James	Fergus		1861
Muir, James B	Huntingdon, Q.	*	1865
Muir, Peter D	(Deceased)	*	1856
Mundell, William	Kingston		1875
Macalister, John	Ashton	*	1865
Macarthur, Duncan	Alisa Craig		1878
Macarthur, James	London, O		1875
Macaulay, Evan	West Puslinch	*	1864
MacCraken, John I	Ottawa		1874
Macdonald, Alexander	Duntroon	*	1861
Macdonald, Colin	(Deceased)		1855
Macdonald, Donald	(Deceased)	*	1854

Name.	Present address.		Year of Graduation.
Macdonald, Duncan	Creemore, O.	*	1859
Macdonald, George	Toronto		1878
Macdonald, Herbert S	Brockville		1859
Macdonald, Patrick A	Winnipeg		1876
Macdonnell, Daniel J	Toronto	*	1858
Macdonnell, George M	Kingston		1860
Macdonnell, John M	Winnipeg, M.		1868
Macgillivray, Malcolm	Ben Lomond	*	1872
Mackenzie, Archibald A	Glasgow, Scot.	*	1877
Mackerras, John H	(Deceased)	*	1850
Maclean, Matthew W	Belleville	*	1869
Maclennan, Alexander	(Deceased)	*	1857
Maclennan, Donaid		*	1848
Maclennan, Donald B	Cornwall		1857
MacLennan, Finlay M	Kincardine		1879
MacLennan, James	Toronto		1849
MacLennan, John	Lindsay		1855
Maclennan, Kenneth	Charlottetown, P.E.I	*	1849
Maclennan, William	(Deceased)	*	1864
Macmillan, Duncan	London	*	1857
Macnab, Finlay F	Arnprior		1859
Macnee, Peter C.	Alliston		1873
Macpherson, Henry	Owen Sound		1851
Macpherson, J. P	Ottawa		1857
MacTavish, Alexander	Maynooth		1881
McArthur, George	South Finch		1881
McArthur, John A	Kincardine		1880
McBain, Alexander	(Deceased)		1860
McBean, Alexander G	Montreal		1865
McCallum, Archibald B	Listowell		1880
McCannell, Donald	Collingwood		1878
McCaul, James	Montreal	*	1859
McColl, Evan C. W	Quebec	*	1866
McCormack, Joseph	Lansdowne		1879
McCulloch, Andrew	Thorold		1871
McDowell, Charles	Renfrew		1877
McDowell, James A	Sarnia		1867
McEwan, James	Welland	*	1852
McGillivray, Daniel	London, O.	*	1864
McGillivray, Farquhar	Ottawa		1852
McGillivray, Neil J	Montreal		1848
McGregor, Peter Campbell	Brockville		1866
McGuire, Thomas H	Kingston		1870
McIntyre, Donald M	Kingston		1874
McIntyre, John	(Deceased)	*	1847
McIntyre, John	Kingston		1861
McKay, Donald G	(Deceased)	*	1865
McKay, Matthew W	Norwood		1879
McKay, Roderick	Pictou, N.S.		1881

Year of Graduation.
1866
1877
1863
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M. 1881
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1855
* 1854

Name.	Present address.		Year of Graduation.
McKay, William E	Orangeville	*	1856
McKee, William	Alliston	*	1872
McKenzie, John M	Sarnia		1856
McKillop, Alexander	Pembroke		1877
McKillop, Charles	Admaston	*	1875
McLaren, Ebenezer D	Brampton	*	1870
McLaren, James	Nelson		1850
McLaren, John	(Deceased)		1860
McLaren, John Brown	Nelsonville, Man.		1876
McLaren, Peter	(Deceased)		1854
McLaren, Peter	Ormstown		1869
McLean, Alexander	Cobden	*	1878
McLean, Donald J	Arnprior	*	1855
McLeod, James A. F	Ft.McLd, N.W.T		1854
McMillan, Hugh H	Lochiel		1880
McMillan, John	Truro, N.S.	*	1862
McMorine, John K	Thunder Bay	*	1859
McMorine, Samuel	Carp, O.	*	1865
McMurchy, Archibald	Pembroke		1875
McPhadyen, Hugh	Manilla	*	1881
McTavish, Daniel	Camilla		1881
McTavish, Duncan B	Ottawa		1870
McQuarrie, Alexander R	Quebec	*	1862
Meikle, William	Middleville		1881
Moore, John	Phillipston		1881
Mowat, Herbert M	Kingston		1881
Nairn, Robert	Scotland		1879
Nicholson, Alexander B	Kingston	*	1867
Nimmo, John H	Millbrook, Dutchess Co., N.Y.	*	1867
Niven, David P	Mount Forest	*	1867
Noel, John V	Kansas		1863
Nugent, Andrew	Woodstock, O		1876
O'Loughlin, Robert S	New York		1865
Oxley, Malcolm S	Summerstown		1878
Patterson, Gilbert C	Summerstown	*	1878
Pollock, Peter M	Banks, O		1881
Pope, Stephen D	Victoria, B.C.		1861
Pringle, John	Georgetown, O.	*	1875
Renaud, Allen C	Australia		1864
Ritchie, George	Toronto		1878
Rogers, Robert V	Kingston		1861
Rollo, James	Toronto		1852
Rose. George R	(Deceased)		1856
Ross, Donald	Lachine	*	1860
Ross, George S			1856
Ross, James	Perth		1878
Ross, John Reid			1862
Ross, Walter	Carleton Place	*	1859

Name.	Present address.	Year of Graduation.
Ross, William A.	....Ottawa	1855
Rothwell, William..	....Brantford	1881
Rowse, Mark R	....Bath, O.	1870
Scales, Thomas....	....Smithville	1878
Scott, Alexander H.	....Owen Sound.... *	1875
Shannon, Lewis W.	....Kingston.....	1877
Shannon, Robert W.	....Kingston.....	1875
Shaw, Robert	....Kingston.....	1873
Shibley, Henry T..	....Kingston.....	1881
Shier, James	....	1863
Sieveright, James	....Manitoba ..... *	1855
Simpson, James	....	1864
Smith, James C.	....Guelph ..... *	1861
Smyth, William J...	....Uxbridge ..... *	1881
Snook, Marcus S...	....Kingston	1881
Sommerville, Jas. A.	....Wallaceburg,O..	1859
Somerville, James..	....Demorestville ..	1881
Sproat, Alexander..	....Walkerton	1853
Squire, William W.	....(Deceased).....	1854
Stewart, William	....Lancaster	1879
Strange, John	....Kingston.....	1877
Stuart, James G	....Balderson's Corners *	1876
Stuart, Irwin	....Morrisburg	1870
Sullivan, William	....Kingston.....	1862
Sutherland, Robert.	....(Deceased).....	1852
Tarbell, Horace S..	....	1862
Thibodo, Augustus J	....Prescott, Arizona.	1851
Thibodo, Robert	....Kingston.....	1862
Thibodo, William B	....Winnipeg	1862
Thompson, John R.	....Olympia, Wash.. *	1865
Thomson, George	....Lachute, Q.....	1863
Thompson, Geo. M.	....Glasgow, Scotland	1878
Thomson, John	....	1855
Wallbridge, Asa F.	....Newcastle, O....	1854
Wallace, Alexander	....(Deceased)..... *	1847
Watson, Andrew	....Falkirk, O..... *	1861
Watson, David	....Beaverton ..... *	1850
Watson, Donald	....(Deceased).....	1851
Watson, Peter	....Williamstown .. *	1852
Webster, James	....(Deceased).....	1857
Webster, George R.	....Brockville	1875
White, Joseph F.	....Whitby	1877
Wilson, Thomas	....Glencoe	1877
Wylie, James	....Manitoba	1864
Yeomans, Geo. A...	....Dunnville ..... *	1863
Yeomans, Horace P.	....Mount Forest ..	1860

Year of Graduation.
* 1856
* 1872
....1856
....1877
* 1875
* 1870
....1850
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....1880
* 1862
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M.A.

Name.		Present address.		Year of Graduation.
Agnew, John ..	....	....Kingston.....		1872
Bain, William ..	....	....Perth, O.....	*	1847
Bell, John ..	....	....(Deceased).....		1865
Bell, Josiah J. ..	....	....Picton.....		1877
Bonner, John ..	....	....New York		1847
Burgess, James E..	....	....Sydenham, O....		1876
Cameron, Chas. I..	....	....(Deceased).....	*	1868
Cameron, James Y.	....	....Williamstown ..	*	1867
Campbell, John ..	....	....(Deceased).....	*	1850
Campbell, Robert..	....	....Montreal	*	1858
Campbell, Robert..	....	....Renfrew.....	*	1870
Cattanach, John C.	....	....Dundee Centre, Q	*	1881
Cluness, William R.	....	....Sacramento		1859
Craig, Robert J ..	....	....Mill Point	*	1874
Cumberland, James	....	....Amherst Island..		1880
Curran, William B.	....	....Hamilton	*	1870
Currie, Archibald..	....	....Sonya, O.....	*	1861
Dumoulin, John P.	....	....Montreal	*	1870
Dupuis, Nathan F.	....	....Kingston.....		1868
Edmison. Henry..	....	....Rothesay, O.....	*	1866
Evans, Joseph	....	....St. Paul's, N.Car.	*	1857
Fenwick, Kenneth N.	....	....Kingston.....		1874
Ferguson, John....	....	....Chesley, O.....	*	1878
Fraser, Donald....	....	....Mount Forest ..	*	1866
Fuller, William H..	....	....Kingston.....		1873
Gordon, James	....	....Clifton, O.		1854
Gray, John	....	....Orillia.....	*	1876
Hart, Thomas	....	....Winnipeg, M....	*	1868
Herald, John	....	....Dundas		1880
Hooper, Edmund J.	....	....Napanee.....		1861
Hope, James A....	....	....(Deceased).....		1865
Jardine, Robert....	....	....Brockville	*	1866
Johnson, William ..	....	....Palmerston, O. ..		1852
Kay, William	....	....Goderich		1855
Knight, Archibald P.	....	....Kingston.....		1874
Lang, William A..	....	....Lunenburg.....	*	1876
Lindsay, John	....	....(Deceased).....	*	1854
Lochead, John S..	....	....Londesboro', O..	*	1863
May, John	....	....Ottawa	*	1861
Minor, Silas	....	....(Deceased).....		1865
Mordy, John	....	....Annan, O.	*	1878
Morrison, Duncan..	....	....Scotland.....	*	1868
Mowat, John B....	....	....Kingston.....	*	1847
Muir, James B....	....	....Huntingdon, Q...	*	1869
Macdonald, Duncan	....	....Creemore, O.....	*	1863
Macdonald, Herbert S.	....	....Brockville		1861
Macdonnell, Daniel J.	....	....Toronto	*	1860
Macgillivray, Malcolm	....	....Ben Lomond....	*	1874

Name.	Present address.		Year of Graduation.
Mackerras, John H.	....(Deceased).....	*	1852
Maclean, Matthew W.	....Belleville	*	1872
Maclennan, Donald	....		1862
Maclennan, Donald B	....Cornwall	*	1861
Maclennan, Kenneth	....Charlottetown, P. E. I.....	*	1868
Maclennan, William	....(Deceased)	*	1866
Macpherson, James P.	....Ottawa	*	1865
McBain, Alexander	....(Deceased).....		1862
McCallum Archibald B....	....Listowell		1881
McCulloch, Andrew	....Thorold		1874
McEwen, James	....Welland	*	1854
McIntyre, John	....Kingston.....		1872
McLaren, Ebenezer D	....Brampton	*	1873
McLaren, John Brown	....Nelsonville, Man.		1878
McLean, Donald J.	....Arnprior.....	*	1855
McMorine, John K.	....Thunder Bay ..	*	1863
McMorine, Samuel	....Carp, O.....	*	1872
McTavish, Duncan B.	....Ottawa		1873
O'Loughlin, Robert S.	....New York		1874
Patterson, Gilbert C.	....Summerstown ..	*	1880
Ross, Donald	....Lachine, Q.....	*	1862
Ross, James	....Perth		1881
Ross, Walter	....Carleton Place ..	*	1862
Scott, Alexander H	....Owen Sound	*	1878
Shannon, Robert W	....Kingston.....		1879
Smith, James C....	....Guelph	*	1863
Squire, William W	....(Deceased).....		1864
Thibodo, Augustus J	....Prescott, Arizona.		1854
Thibodo, William B	....Winnipeg		1865
Thompson, John R	....Olympia, Wash..	*	1868
Watson, David	....Beaverton	*	1854

M.D.

Abbott, Rodney H	....Comber		1879
Abbott, Samuel A..	....Belleville		1868
Agnew, John	....Kingston		1865
Alexander, Francis R	....Ottawa		1881
Alexander, James A	....(Deceased)		1869
Alway, Enoch	....Smithville		1869
Anderson, W. J....	....Morrisburg		1861
Armstrong, Alfred	....(Deceased)		1866
Armstrong, Albert	....Arnprior		1867
Aylsworth, Arch. K	....Newburg		1863
Beattie, William	....Melbourne, Q....		1866
Beckett, James	....Jamaica		1863
Beeman, Thos. W..	....Odessa		1878
Bell, Alexander....	....Lakefield		1865

Name.	Present address.	Year of Graduation.
Bell, James M	....(Deceased)	1857
Bell, John	....(Deceased)	1866
Bennet, Henry	....Peterboro'	1878
Benson, John R....	....Gylpie, Queensland	1858
Bernard, Gerald	....Newcastle-on-Tyne	1871
Bethune, Alexander	....Wingham	1858
Bethune, Henry F	....Nelles' Corner	1869
Betts, Alfred H....	....(Deceased)	1875
Betts, John H	....Portsmouth	1881
Bice, Mark	....Hampton	1869
Bigham, Hugh	....Fenelon Falls....	1864
Bigham, James	....Warsaw	1868
Bigham, John	....Cataraqui	1865
Bird, Francis W	....U.S.	1859
Bird, Nelson J	....San Francisco, Cal.	1860
Black, William A..	....(Deceased)	1862
Blakley, Robert....	....(Deceased)	1861
Bleasdell, Charles E	....(Deceased)	1861
Booth, Donald B	....Odessa	1868
Bowen, George H..	....Seeley's Bay	1877
Bowen, Robert	....H. M. Service	1865
Bowers, Samuel S..	....Fond du Lac, Wis.	1857
Boyle, Arthur R....	....Petrolia	1859
Branigan, P. K	....(Deceased)	1862
Bray, John L	....Chatham, O.	1863
Bridgland, Samuel	....Bracebridge	1870
Brien, James	....Essex Centre	1872
Brown, Marshall	....Napanee	1856
Campbell, George..	....H. M. Navy	1859
Campbell, John H	....(Deceased)	1856
Campbell, Joseph	....Paisley, O.	1867
Carscallen, Allen B	....Enterprise	1875
Case, George H....	....(Deceased)	1876
Chaffey, Ellsworth	....Lachine	1871
Chamberlaine, Theodore F..	....Morrisburg	1862
Chambers, Daniel..	....(Deceased)	1855
Chanonhouse, John	....Eganville	1863
Chanonhouse, Thomas	....(Deceased)	1860
Chisholm, Harvy F	....(Deceased)	1857
Chown, Henry H	....Wellington	1880
Clarke, James	....Bay City, Mich.	1868
Clarke, William	....Ireland	1879
Clarke, John	....Chesterville	1872
Clarke, J. G	....Meaford	1880
Claxton, William	....Verona	1874
Cleaver, J. C. C....	....Trinidad	1879
Cleaver, William F	....Trinidad	1879
Clinton, George	....Mill Point	1878
Cluness, Wm. R.	....Sacramento, Cal.	1858

Name.	Present address.	Year of Graduation
Cogan, Jeremiah R	....(Deceased)	1861
Coleman, William F.	....St. John, N.B.	1863
Comer, Alexander T. C.	....Titusville, U.S.	1864
Corbett, George H.	....Orillia	1856
Corbett, Henry T.	....Ottawa	1868
Corry, Robert	....	1861
Coughlan, Richard	....Waterdown, O.	1881
Craig, Hugh A.	....Cobourg	1878
Cranston, James G.	....Ainprior	1860
Crawford, Joseph	....Durham, O.	1857
Darragh, Robert J.	....Battersea	1866
David, Alfred	....Port Lambton	1873
Davis, Ranson A.	....Easton's Corners	1876
Davis, Robert H.	....York, Grand River	1858
Davidson, Myers	....Florence	1864
Day, Barnabas W.	....Kingston	1862
Day, H. W.	....Trenton	1859
Day, Jonathan	....Baltimore, O.....	1877
Day, Lewis E.	....Harwood	1880
Day, Walter D. P. W.	....Harrowsmith	1877
Deans, George	....Trenton	1865
Deans, Wm. C.	....Galt	1861
Deynard, Adelbert B.	....Picton	1875
Dickson, Charles R.	....Kingston	1880
Dickson, John R	....Kingston	1863
Dickson, John R.	....(Deceased)	1868
Dingman, William E.	....Listowell	1875
Donavan, Patrick C.	....Campbellford	1879
Douglas, Robert	....Port Elgin	1855
Dowsley, David H.	....Clinton	1875
Dowsley, George C.	....Frankville	1875
Dugdale, John J.	....Montreal	1867
Dumble, William C.	....Owen Sound....	1870
Dumble, Thomas H.	....Gananoque	1877
Dunbar, Samuel	....(Deceased)	1855
Dunlop, Neil	....Sydenham,O.....	1861
Dunn, Andrew T	....North Augusta	1864
Dupuis, Thomas R.	....Kingston	1860
Elmer, William W.	....Madoc	1858
Ellwell, W. D.	....(Deceased)	1863
Empey, Charles T.	....Kingston	1880
Erly, Francis W. J.	....	1868
Evans, Henry	....(Deceased)	1858
Evans, Henry	....Picton	1878
Fairbairn, Archibald C.	....Minneapolis, Miss	1871
Farrel, J. T.	....(Deceased)	1861
Fee, Samuel H.	....Kingston	1862
Fenwick, Kenneth N.	....Kingston	1874
Fenwick, Thomas M.	....Kingston	1864

Name.	Present address.	Year of Graduation.
Ferguson, Charles F.	....Kemptville	1859
Ferguson, Edward G.	....Brunswick, Georgia	1863
Ferguson, Robert B.	....Winnipeg, Man	1863
File, Albert J.	....Ameliasburg	1869
Ford, Herbert Douglas	....Chicago	1874
Foster, Robert J.	....(Deceased)	1859
Fowler, Fife	....Kingston	1863
Fox, Edward C.	....	1864
Franklin, Benjamin W.	....Port Burwell....	1856
Fraser, Adson S.	....Sarnia	1869
Fraser, John M.	....London	1861
Galbraith, John E.	....Whitby	1880
Gerin, John	....Auburn, U.S.....	1872
Gibson, Andrew M.	....Clinton	1874
Gibson, William J.	....Belleville	1881
Giles, John G.	.....Gananoque	1860
Gillies, Neil	....Chelsey, Co. Bruce	1871
Gleseson, James H.	....Syracuse, N.Y.	1864
Grasse, Sydney D.	.....(Deceased)	1864
Gunsolus, Kenneth	....	1871
Joseph Hackett, ...	....	1858
Hamilton, David	....Batavia	1862
Harrison, T. S.	....Selkirk	1869
Harvey, Albert E..	....Watford	1865
Heggie, David	....Brampton	1865
Henderson, Donald	....Winnipeg	1858
Henderson, William	....(Deceased)	1859
Henderson, William H.	....Kingston	1879
Hendry, George	....Zilwaukee	1869
Herrimon, Weston Leroy ..	....Port Hope	1855
Herrington, Anthony W.	....Carman City, Man.	1881
Higgins, Edward M.	....Ottawa	1877
Higinbotham, William	....Omemee	1871
Hillier, William	....(Deceased)	1855
Hillier, Solomon C.	....Enniskillen	1869
Hoare, Walter W..	....Strathroy	1864
Hodge, George	....Mitchell	1870
Holmes, F. S. Leroy	....Almonte	1877
Horsey, Alfred	....Ottawa	1865
Horsey, Edward H.	....Chicago	1860
Horton, Robert N..	....Lyn, O.	1879
Hossie, Thomas R.	....Gouverneur, N.Y.	1879
Hourigan, Andrew R.	....Peterboro'	1877
Houston, William R.	....Chatham, O.	1871
Howell, George W.	....Tweed, O.	1867
Howells, Thomas B.	....(Deceased)	1863
Hubbs, Henry A. M.	....Bay City, Mich.	1877
Ingersoll, Isaac F..	....Picton	1863
Irwin, Chamberlen A.	....Wolfe Island....	1863

Name.	Present address.	Year of Graduation.
Jamieson, John	....Kars	1881
Johnson, Absalom H. J.	....Brockville	1872
Johnston, David A.	....Consecon	1881
Johnstone, David	....Kincardine	1868
Jones, Henry M....	....Marmora	1866
Jones, John	....Kemptville	1874
Joy, Sylvanus	....Woodstock	1857
Judson, George W.	....Delta	1879
Kahkewaquonaby	....Haggersville, O.	1866
Kellock, John D.	....Perth	1862
Kelly, David	....(Deceased)	1861
Kelly, Edward J.	....Ottawa	1861
Kemp, James A....	....Leamington	1861
Kennedy, Alexander	....Bath	1876
Kennedy, Jacob B.	....Welland	1873
Kennedy, Roderick	....Bath	1863
Kennedy, William B.	....Pembroke	1878
Kertland, Edwin H.	....Toronto	1865
Kidd, Edward	....Manotick	1871
Kidd, Peter E.	....Midland City	1878
Kilborn, Roland	....Toledo	1879
Kincaid, Robert	....Peterboro'	1863
Knight, John H....	....Sandusky, Mich.	1880
Lafferty, James	....Pembroke	1871
Lafferty, William A	....Perth	1879
Laidlaw, Alexander R.	....(Deceased)	1857
Lake, Charles B.	....Ridgetown	1866
Lambert Robert	....Windsor	1859
Lane, Joseph W.	....Mallorytown....	1875
Lavell, Charles H.	....Kingston	1873
Lavell, Michael....	....Kingston	1863
Lavell, William A.	....Newburgh	1881
Lawlor, Michael	....(Deceased)	1857
Leavitt, Arvin S.	....Westport	1869
Leonard, Raymond A.	....Napanee	1879
Lewis, W. Frederick	....Napanee	1878
Litchfield, John P.	....(Deceased)	1863
Lynch, Dennis P	....Almonte	1878
Mann, James	....Renfrew	1869
Mark, Robert	....St. Lambert's, Montreal	1867
Massie, John	....Norwood	1865
Masson, Thomas	....Cape Vincent, N.Y.	1875
Mathesson, Murdoch	....Alvinston	1870
Magurn, Joseph S..	....Lonsdale	1881
Meadows, R. W.	....H. M. Service	1862
Meagher, Daniel	....Montreal	1867
Mercer, John F....	....Goderich	1855
Miller, Lindsay F..	....Beeton	1877
Milliner, William S.	....Rochester, N.Y.	1864

Name.	Present address.	Year of Graduation.
Monro, John C....	....South Finch	1867
Moore, Andrew....	....Cartwright, Co. Durham	1865
Moore, Vincent H.	....Brockville	1870
Morden, James B..	....Picton	1865
Morden, John H. ..	....(Deceased)	1859
Mostyn, William ..	....(Deceased)	1858
Munro, David	....Lanark	1867
Murphy, John Bernard	....Belleville	1876
Macadam, Samuel T.	....Pembroke	1873
Macarthur, James	....London	1878
Macdonald, Alexander R. ..	....Brighton	1857
Macdonald, John A	....Prince Arthur's Landing	1862
Macpherson, Alexander	....(Deceased)	1862
McCammon, James	....Kingston	1863
McCammon, James A.	....North Augusta	1879
McCullough, William S.....	....(Deceased)	1875
McIntyre, Duncan	....Wardsville	1864
McKellar, Dugald	....(Deceased)	1855
McKenzie, Andrew	....(Deceased)	1862
McKenzie, Edward	....Smith's Falls	1860
McLaren, Alexander	....Shannonville....	1865
McLean, Caird R..	....Meaford	1859
McLean, Solomon C.	....	1874
McLean, Thomas F.	....Goderich	1863
McLennan, Alexander S....	....Chicago	1873
McMahon, James..	....Texarkana, Texas	1873
McNichol, Eugene C.	....Cobourg	1877
McPhaden, Murdock	....Ripley	1880
Neish, James	....Kingston, Jamaica	1865
Nesbitt, Edward	....(Deceased)	1868
Newlands, George..	....St. Cloud, Minn.	1879
Newton, John	....Desoronto, O.	1866
Nichol, James	....(Deceased)....	1863
Odlum, John	....Lucknow	1880
Oldham, Edmund	....Woodville, O....	1881
Oliver, Alfred S....	....Kingston	1863
Oliver, John K	....(Deceased)	1868
O'Reilly, Anthony	....(Deceased)	1861
O'Shea, James F...	....Norwood	1881
O'Sullivan, John	....Peterboro	1868
Parker, Robert	....Stirling	1861
Patterson, James R.	....Tiverton	1867
Perrault, Julien....	....San Francisco, Cal.	1857
Phelan, Daniel	....Kingston	1877
Potter, Levi	....	1870
Potter, Samuel	....Kemptville	1875
Potter, Thomas....	....Hazeldean	1876
Preston, Richard	....Carleton Place	1875
Preston, Robert H.	....Newboro	1864

Name.	Present address.	Year of Graduation.
Price, Robinson V.	Bath	1866
Purdy, Alvanly N.	Sydenham	1873
Purdy, Churles W.	Chicago	1869
Ramsay, Robert	Orillia	1861
Reeve, Richard A.	Toronto	1865
Reeve, Henry H.	Bayfield	1880
Reid, W. D	Montpelier, Vt.	1880
Reily, Adrian	Welland	1862
Roche, William P.	(Deceased)	1860
Rockwell, Albert	Hamilton	1868
Rockwell, Ashbel S.	Rochester, N.Y.	1872
Rogers, David H	Gananoque	1881
Rose, George R.	(Deceased)	1860
Ross, Thomas K	Webster City, Iowa	1863
Rourke, Francis	Port Lambton	1872
Ruttan, Joseph B.	Picton	1863
Rutherford, James	Orono	1870
Saunders, Herbert J.	Kingston	1869
Saunders, Laurence	(Deceased)	1868
Sayers, Alexander	Marion, N.Y.	1870
Scott, William S.	Southampton	1855
Scovill, Simmons S.	North Gower	1877
Searls, Abraham W.	(Deceased)	1864
Shirley, Joseph W.	Watford	1863
Sievewright, James A.	New Westminster, B.C.	1870
Skinner, Henry	Kingston	1862
Smith, George	(Deceased)	1858
Smith, John R.	Harrowsmith	1863
Snider, Samuel H.	Niagara	1881
Somerville, James A.	Wallaceburg	1866
Spafford, H. W.	(Deceased)	1855
Sparham, George S.	North Augusta	1859
Spear, Hugh	Leaksdale	1873
Spencer, Henry		1862
Spooner, George D.	(Deceased)	1860
Spooner, Hiram R.	Sutton, Co. York	1869
Stewart, Alexander J.	Angus, O.	1869
Stowell, Olmsby O.		1869
Sullivan, Michael.	Kingston	1858
Sullivan, Thomas.	St. Catharines	1863
Sweetland, John	Ottawa	1858
Switzer, Wilson J.	(Deceased)	1862
Symington, Thomas J.	Camlachie	1881
Taylon, James B	Tara	1864
Taylor, William F.	Gylpie, Queensland	1861
Thibodo, Oliver.	Phœnix Arizona	1857
Thibodo, Robert	Kingston	1862
Thirkell, William G.	Sodus, N.Y.	1861
Thornton, Thomas H.	Consecon	1870

Name.	Present address.	Year of Graduation.
Thornton, William M.	Stoney Creek, Hamilton	1864
Tracey, Robert	Belleville	1862
Tracey, Thomas B.	(Deceased)	1865
Trousdale, James D.	(Deceased)	1860
Tuttle, Leslie	Tweed	1875
Valleau, George Z.	Shannonville	1867
Van Allen, John R.	Kansas City	1871
Vanvlack, Gilbert J.	San Francisco, Cal.	1869
Waddell, W. H.	Perth	1880
Wafer, Francis M.	(Deceased)	1867
Walkem, William W.	Burrard Inlet, B.C.	1873
Walker, Allen H.	Dundas	1867
Wallace, David	Metcalfe, O.	1881
Ward, George C. Tremaine	Napanee	1869
Wartman, Philander C.	(Deceased)	1864
Watson, Charles V.	Wellington	1863
Weekes, W. J.	Walkerton	1865
Weir, William	Merrickville	1861
Wilson, Charles J. C.	Str. Galacia, Pacific Line	1869
Wilson, John A.	Cannington, O.	1863
Wilson, Thomas	Glencoe	1880
Yates, Horatior	Quebec	1863
Yates, Octavius	(Deceased)	1856
Yeomans, Horace P.	Mount Forest	1863
Young, David	Lower Fort Garry, M.	1871
Young, Daniel	Conway	1862
Yourex, John McGill	Warsaw	1876

FELLOWS OF ROYAL COLLEGE PHYSICIANS AND SURGEONS, KINGSTON.

Name.	Present address.	Year of Graduation.
Bethune, Alexander	Wingham	1874
Cluness, Wm. B.	Sacramento, Cal.	1871
Dickson, John R.	Kingston	1866
Dupuis, Thomas R.	Kingston	1871
Fowler, Fife	Kingston	1866
Kennedy, Roderick	Bath	1866
Lavell, Michael	Kingston	1866
Maclean, Donald	Ann Arbor, Mich	1866
Mark, Robert	Montreal	1873
Neish, James	Linstead, Jamaica	1871
Oliver, Alfred S.	Kingston	1871
Reeve, Richard, A.	Toronto	1866
Saunders, Herbert J.	Kingston	1871
Sullivan, Michael	Kingston	1866
Yates, Horatio	Kingston	1871

Name.	Present address.	Year of Graduation.
Yates, Octavius	(Deceased)	1871

LICENTIATES OF R. C. P. S., K.

Abbott, Samuel	Belleville	1872
Alexander, James A.	(Deceased)	1869
Alway, Enoch	Smithville	1869
Bice, Mark	Hampton	1869
Bigham, Hugh	Fenelon Falls	1867
Bigham, James	Warsaw	1868
Booth, Donald B.	Odessa	1868
Burgar, E.	Welland	1868
Chaffey, Ellswood	Lachine	1870
Chamberlane, Theodore F.	Morrisburg	1871
Clapham, Edward	Belleville	1868
Close, James	Ohio, U.S.	1873
Coleman, Wm. F.	St. John, N.B.	1871
Corbett, Henry T.	Ottawa	1868
Cornell, Charles	Farmersville	1872
Davidson, Myers	Florence	1871
Day, Barnabas W.	Kingston	1871
Dickson, John R., Jr.	(Deceased)	1868
Dowsley, D. H.	Clinton	1875
Dugdale, John J.	Montreal	1867
Erly, Francis W. J.		1868
File, Albert J	Ameliasburgh	1869
Fraser, Allen H.	(Deceased)	1867
Graham, William J.	Bothwell	1873
Gunsolus, Kenneth		1874
Hall, John D.	Brockville	1878
Hendry, George	Zilwaukee	1869
Herriman, Weston Leroy	Port Hope	1869
Higginbotham, A.	(Deceased)	1868
Horsey, Edward H.	Chicago	1871
Houston, William R.	Chatham	1871
Hutchison, John	Meaford	1869
Johnstone, David	Kincardine	1868
Kidd, Edward	Manotick	1871
Knight, John H.	Wallaceburg	1880
Lavell, Charles H.	Kingston	1873
Lavell, William A.	Newburgh	1880
Maclean, Archibald	Ann Arbor, Mich	
Mark, Robert	Montreal	1867
McDowell, John	Shawville	1880
Meadows, R. W.	H. M. Service	1862
Meagher, Augustus	(Deceased)	1869
Munro, David	Lanark	1867
Murphy, H. J.	Chatham	1867
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Newell, James	....Springfield	1869
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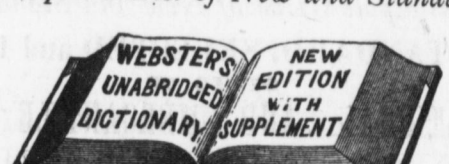

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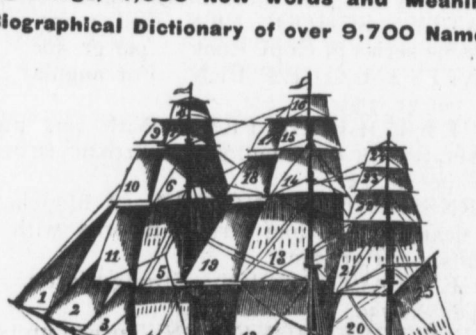

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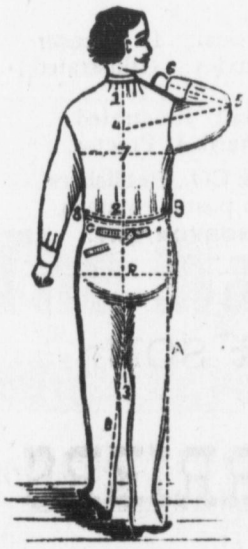

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