

28 May 02

Final Mining		Mr H. Johns
Principles of Mining		Mr J. G. Lawton
Economics of Mining		Mr W. Wood
Mechanical Engineering	I.	Prof. Payne
	II.	Mr L. Wilson
Electrical Engineering		Mr R. Pizzighelli
Surveying		Mr S. H. Pearce
Treatment of Minerals	I	Mr J. R. Williams
	and II	Prof. Hahn
Assaying		Mr J. G. Lawton
Mine Descriptions		

2. That the following be appointed to act as Moderators for the examinations specified. [Names of examiners also given]

<u>Subject</u>	<u>Examiner</u>	<u>Moderator</u>
English I	Rev. O. J. Hogarth	Mr Cassé
English II	Mr G. W. Casé	<del>Prof. Clark</del> Rev. W. O. Jenkins
English History	Mr C. W. Cousins	Prof. J. Edgar
S. A. History	Rev. Dr Flint	Prof. Godee Molbergen Mr J. Beselau
Latin	Rev. J. Macmillan	Prof. Macdonald
Dutch I	Mr N. M. Hoogenhout	Mr Nauta
II.	Mr M. J. Beselau	Prof. Logeman
French	Mr Nauta	<del>Prof. Fruin</del> Godee Molbergen
German	Prof. Fruin	Prof. Viljoen
	Chairman Prof. Ritchie.	
Arithmetic	Prof. Craib	Mr Barrie Low
Descriptive Geography	Rev. J. Whiteside	Mr. J. Smith
Physical	Mr. J. Smith	Rev. J. Whiteside
Mathematics	Mr. W. M. Wallace	Prof. Mackenzie
Science	Prof. Glore	Dr. Fietz
	Chairman Prof. Crawford.	

### School Higher.

English I.	Rev. P. Ferguson	<del>Prof. Clark</del> Rev. W. O. Jenkins
II	Mr. H. S. Cooke	Prof. Hotcutt
Latin (a)	Prof. Kidd	Prof. C. S. Edgar
(b)	Prof. C. S. Edgar	Prof. Kidd
Greek	Prof. Kidd	Prof. C. S. Edgar
History (a)	Rev. W. Clementon	Mr Cousins
(b)	Mrs. Loueday	Prof. J. Edgar
Dutch	Prof. Logeman	Rev. J. van Heerden
French	Mr. A. S. Nauta	Prof. Fruin Godee Molbergen
German	Prof. Fruin	Prof. Logeman

Arithmetic	Mr E. Hoaks	Prof. Crawford
Algebra	Prof. Martin	Mr. Barrie Low
Geometry	Mr. Barrie Low	Prof. Martin
Physics	Prof. Beattie	Prof. Morrison
Chemistry	Dr. Feitz	Prof. van der Riet
Botany	Prof. Pearson	Prof. Dendy
Chairman	Prof. Mackenzie.	

Matriculation

English I.	Prof. Clark	Prof. Notcutt
II.	Prof. Notcutt	Prof. Clark
Latin (a)	Prof. Ritchie	Prof. Macdonald
(b)	Prof. Macdonald	Prof. Ritchie
Greek	Prof. Ritchie	Prof. C. S. Edgar
History (a)	Prof. J. Edgar	Mr. C. Murray
(b)	Mr. C. Murray	Prof. J. Edgar
Dutch (a)	Prof. Veljoen	Rev. A. Moores
(b)	Prof. Godie Molisbergen	Prof. Logeman
French	Mr. R. & Nauta	Prof. Faustin Godie Molisbergen
German	Prof. Fruin	Mr. Nauta
Chairman	Prof. Walker	
Arithmetic	Prof. Brown	Prof. Mackenzie
Algebra	Prof. Mackenzie	Prof. Crawford Morrison
Geometry (a)	Prof. Crawford	Prof. Kent
(b)	Prof. Kent	Prof. Crawford
Physics	Prof. Morrison	Prof. Beattie
Chemistry	Prof. van der Riet	Dr. Feitz
Botany	Prof. Pearson	<del>Dr. Feitz</del> <sup>Stebbins</sup>
Chairman	Hon. Sec. C. Abercrombie Smith.	

Intermediate

English I.	Prof. Lovelady	Prof. Walker
II.	Prof. Walker	Prof. Lovelady
Latin	Rev. H. V. Taylor	Prof. C. S. Edgar
Greek	Rev. B. H. Hampden Jones	Prof. Ritchie
History	Mr. C. D. Hope	Mr. Cousins
Dutch	Rev. J. van Heerden	Rev. A. Moores
French	Dr. Logie	<del>Rev. D. Hahn</del> Prof. Veljoen
German	Mr. Houghton	Prof. Hahn Mr. Nauta
Chairman	Mr. C. Murray	
Algebra	Mr. & M. Binkles	Prof. Beattie
Geometry	Mr. W. Malherbe	Prof. Morrison
Trigonometry	Dr. Troup	Prof. Brown
Dynamics	Mr. & Littlewood	Prof. Beattie
Physics	Mr. Williams	Prof. Brown
Chemistry	Mr. J. Muller	Mr. Bloxam
Practical	Mr. Bloxam	Mr. Muller
Botany	Dr. Schönland	Prof. Dendy
Zoology	Dr. Purcell	Dr. Gjelchrist
Geology	Mr. & Schwarz	Mr. du Toit
Chairman	Hon. Sec. C. Abercrombie Smith.	

Honours

Mathematics I.	Mr. Littlewood	Prof. Morrison
" II.	L. Troup	Prof. Brown
" III.	Miss Fawcett	Mr. Hough
Physics I and II.	Mr. Williams	[ <del>Mr. Lawn</del> ] Prof. Brown
Chemistry I.	Mr. Muller	Mr. Bloxam
" II.	Mr. Bloxam	Mr. Muller
Botany I & II.	L. Schönland	L. Marlott
Geology I.	Mr. du Fort	Mr. Schwarz
" II.	Mr. Schwarz	Mr. du Fort
Zoology I & II.	L. Purcell	L. Gulchrest
Chairman:	Hon. Sir C. Abercrombie Smith	

Survey

Arithmetic	Mr. Littlewood	Mr. Malherbe
Algebra	Mr. Binches	Prof. Beattie
Geometry	Mr. Malherbe	Prof. Morrison
Trigonometry	L. Troup	Prof. Brown
Spherical Trigonometry	Mr. Rendell	Mr. Hough
Coordinate Geometry	Mr. Littlewood	Mr. Hough
Geodesy	Mr. M. C. Vos	Mr. Hough
Chairman	Hon. Sir C. Abercrombie Smith.	

First Mining

Mathematics I.	Miss Fawcett	Prof. Morrison
" II.	Mr. Binches	Prof. Beattie
Dynamics	L. Troup	Prof. Crawford
Chemistry	Prof. Martin	Prof. Cox
Metallurgy	Mr. Lawn	Mr. Muller
Physics I & II.	Mr. F. Sutton	Prof. Brown
Geology I.	Mr. du Fort	Mr. Schwarz
" II.	Mr. Schwarz	Mr. du Fort
Chairman	Hon. Sir C. Abercrombie Smith.	

Drawing

Mr. Lawrence

Preliminary L.L.B.

English Law I.	Mr. Justice Lawrence	Mr. Justice Ktze
" II.	" " Ktze	" " Lawrence
International Law	" " Lawrence	" " Wessels
Roman Law	" " Wessels	" " Lawrence
General Jurisprudence	" " Ktze	" " Wessels
Roman Dutch Law	" " Wessels	" " Ktze
Chairman	Mr. Advocate Seale	

Final L.L.B.

Roman Dutch Law	Mr. Justice Wessels	Mr. Justice Ktze
Cape Statute Law	" " Ktze	" " Lawrence
Law of Evidence	" " Lawrence	" " Ktze
Private International Law	" " Lawrence	" " Ktze
English Law Special Subject	" " Ktze	" " Lawrence
Roman & Roman Dutch Law Special Subject	" " Wessels	" " Ktze
Chairman	Mr. Advocate Seale	

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Civil Service Higher Law.  
 Criminal Law Mr Justice Kitz  
 Roman Dutch: Special Subject " Wessels " " Kitz

L.L.D.

Roman Law I & II Mr Justice Wessels Mr Justice Kitz  
 Roman Dutch Law " Wessels " " Lawrence  
 Pte. International Law " " Kitz " " Wessels  
 English Law I & II " " Lawrence " " Kitz  
 Chairman: Mr Advocate Searle.

Law Certificate and C.S. Lower Law.

English Law I. Advocate Rainford Advocate Close  
 " II. " Close and Advocate Rainford  
 Cape Statute Law I. " Close, Advocate  
 " II. " Joubert " Close  
 Roman Dutch Law " Nathan " Joubert  
 Roman Law " Joubert " Nathan  
 Notarial Practice " Nathan " Close  
 Transvaal Statute Law " Barber " —  
 C.R.C. " " Chief Justice Maudslayi —  
 Natal " " Advocate Labritour —  
 Chairman: Advocate Searle

In connection with the appointment of moderators as indicated above the following resolution was submitted and adopted:

"That there is no objection to the appointment as Moderator of a Teacher in any subject which he is not teaching for the particular examination for which he is moderating"

The following Report of the Committee appointed to deal with the Reports of the Examiners for 1903 was submitted and adopted with the slight alterations indicated therein:-

## 1. The Committee reports

1. That it has examined the Reports of the Examiners for the various School and University examinations and has selected certain parts for publication and circulation among teachers and certain other parts for the attention of the Council.

Reports of  
 Examiners

2. That it desires to draw the attention of the Council to the general complaints contained in the Reports with regard to English, and to suggest that the Council should remit to the Literature Committee the question of what steps, if any, can be taken with regard to this matter.

3. That it suggests to the Council that the following injunction be given to all examiners:

It is an essential part of the work of each examiner, ~~where there are more than five papers examined for the same examination~~, to draw up a short report on the work of the candidates.

Such Reports should, where necessary, consist of two parts as follows:

Part I to be submitted to the Council, containing remarks or suggestions, if any, concerning the nature and extent of regulations ~~for~~ for the examination, the syllabus &c.

Part II: observations which are deemed of interest to teachers or future candidates, as to common faults running through several papers, mis-conceptions on the part of teachers or candidates with regard to syllabus &c, parts of the work apparently neglected &c.

The Parts II of such reports ~~(which are required from all examiners)~~ shall be published by a sub-committee appointed for this purpose, which committee may suggest to omit parts of such reports but shall not make any such omissions nor any alterations therein (except unimportant clerical alterations) without the knowledge and sanction of the examiners.

If the above recommendations are approved of the Committee recommends that the sub-committee be appointed at the November meeting of the Council.

It was further decided that the extracts for circulation be published in the University Gazette

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and that the portions selected for the notice of the Council be submitted to the various Standing Committees and not direct to the Council.

Rev. H. V. Taylor:  
enquiry re teaching  
B.A. students.

An enquiry was submitted from the Rev. H. V. Taylor asking whether the Council would consent to his taking certain classes in Philosophy for B.A. students, while being himself an examiner at the B.A. examination through not in this particular subject. It was decided to inform Mr Taylor that the Council considers the two offices are incompatible.

Confirmed  
19/8/04

J. Buchanan  
V.C.

CONFIDENTIAL.

# University of the Cape of Good Hope.

## QUARTERLY COUNCIL MEETING:

19th August, 1904.

### SECOND NOTICE.

University Offices,

Huguenot Memorial Buildings,

Queen Victoria Street, Cape Town,

14th August, 1904.

The next Quarterly Meeting of Council will be held  
on Friday, 19th August, at 2 p.m., resuming on  
Saturday, 20th August, at 10 a.m.

A. A. ELLIOTT,

Acting Registrar.

BUSINESS.

1. Miscellaneous.
2. Letter from Dr. Gregory asking for six months' leave of absence.
3. Letter from Mr. Barnett tendering his resignation on account of his early departure from South Africa.
4. Report of the Vice-Chancellor's Committee.  
The Committee reports that it has admitted the following candidates to the Intermediate Examination:  
Robert S. Carruthers.  
George Herbert Pritchard.
5. Letter from the Secretary of the Transvaal Law Department nominating Mr. S. H. Barber as Examiner in Statute Law for the Transvaal Civil Service Higher Law Examination.
6. Letter from Mr. F. W. Jannasch requesting that candidates for the Teacher's Diploma in Music be admitted this year to the Examination in Part I. and II. without having previously passed the Advanced Practical Examination.
7. Letter from the Secretary of the Transvaal Technical Institute asking for a month's extension of time to the Final Mining Candidates in connection with the preparation of their Mine Descriptions.
8. Letter from the Principal of the Royal Academy of Music requesting that the period of tenure of the Exhibition awarded to Miss Poppe be extended for one year.
9. Letter from Rev. Marsh with a similar request on behalf of his daughter.
10. Appointment of Examiners for the Chalmers Memorial Prize.
11. Appointment of Examiners for the M.A. Examination in Mental and Moral Science.
12. \*Report of the Literature Committee.
13. \*Report of the Science Committee
14. \*Report of the Combined Literature and Science Committee submitting a new scheme of examinations for the M.A. degree.
15. Report of the Geometry Committee.

The Committee reports:—

- (1) That it considers the Revised Syllabus in Geometry for the School Elementary Examination is covered by one of the following books:—Barnard and Child, New Geometry for Junior Forms (Macmillan), Baker and Bourne, Elementary Geometry, Book I. (Bell); Hall and Stevens, School Geometry, Book I. (Macmillan); Godfrey and Siddon's Geometry.

\* See Separate Papers.



- (2) That it has referred the selection of other books for the School Elementary and for the School Higher and Matriculation Examinations to sub-committees.
- (3) That it has referred the drafting of a Syllabus for the Intermediate and Higher University Examinations to a sub-committee.

## 16. Report of the Survey Committee.

The Committee reports:

- (1) That it has exempted Mr. Robert Gay, M.A., M.Sc., C.E., from the Examination in the Theory of Surveying.
- (2) That in considering the qualifications of candidates for exemption from the examination in the Theory of Land-surveying, it has adopted the new Scheme of examination as the standard.
- (3) That it recommends that a minimum of 20 per cent. be required of candidates in each part of the Geometry and Plane Trigonometry papers, with a minimum of 30 per cent. on the whole paper in each case, approximately half the paper being devoted to each part.
- (4) That in Physics half the marks be assigned to the Theoretical examination and half to the practical.
- (5) That Parts I. and II. of the examination be as follows:—
  - Part I.—Arithmetic, Geometry, Plane Trigonometry and Mensuration.
  - Part II.—Algebra and Differential Calculus, Spherical Trigonometry and Astronomy, Co-ordinate Geometry and the Theory of Surveying, Optics and Heat.
- 6) That the fee for the whole examination be £15.

## 17. \*Report of the Committee appointed to revise the scale of fees to examiners.

## 18. Report of the Law Committee.

I. The Committee recommends:—

- (1) That Van Leeuwen's Commentaries on Roman-Dutch Law (Kotze's Translation; 2 Vols.) be added as a subject for the Preliminary LL.B. Examination.
- (2) That the prescribed books in Roman-Dutch Law for the Final LL.B. Examination be as follows:—
  - (a) Van Leeuwen's Commentaries (as in the Preliminary).
  - (b) Grotius' Introduction to Dutch Jurisprudence (Maasdorp's Translation with Schorer's Notes).
  - (c) Van der Keessel's Select Theses on the Laws of Holland and Zealand.
  - (d) The Prefatory Remarks on Provisional Sentence in Volume I. of Menzies' Reports.
- (3) That certain subjects relating to leading cases shall be indicated in the instructions with reference to the decisions of the South African Courts (Calendar pp. 180 and 182).

II. The Committee reports that the syllabus of the Law Certificate Examination is receiving consideration with a view to some alteration in the text-books prescribed for English Law.

## 19. \*Report of the Matriculation Committee.

\* See Separate Papers.

20 Letter from the Secretary of the local Examinations Committee at Grahamstown, asking for a grant of £25, and drawing attention to the change of date of entry for the School Examinations.

## 2I. Notices of Motion :—

### 1. By MR FREMANTLE :—

That all Intermediate, B.A. and M.A. Examinations be conducted by committees consisting in each case of an external examiner, and the Professors of the subject of examination at all colleges earning the higher grants under the extension of the Higher Education Act, 1902; that the external examiner set the papers, which shall be revised by the committee; that the external examiner be chairman of the committee with a vote and a casting vote, and that no Professor examine the papers of his own students.

### 2. By PROFESSOR BEATTIE :—

(a) That in and after December, 1906, the subjects for the Intermediate Examination be divided into two groups :—

A. English.	B. Mathematics.
Dutch.	Dynamics.
Latin.	Physics.
Greek.	Chemistry.
German.	Botany.
French.	Zoology.
History.	Geology.

(b) That the candidates for the Intermediate Examination may not take more than six of these subjects, at least two to be taken from each group.

(c) That a committee be appointed to make any changes in the regulations, marks, and syllabuses which may be deemed necessary for the proper carrying out of (a) and (b).

(d) That a committee be appointed to rearrange the syllabuses in Physics.

(e) That a committee be appointed to consider the advisability of making Applied Mathematics a separate subject for the B.A. Pass and Honours Examinations; and that this committee be empowered, in the case of such desirability being proved, to revise the syllabuses in Pure Mathematics, Applied Mathematics, and Physics.

### 3. By SIR BISSET BERRY :—

That the School Elementary Examination be abolished.

### 4. By PROFESSOR LOGEMAN :—

That No. 1 of the Rules of Order and Procedure of the Council be altered in such wise as to secure six ordinary meetings of Council each year.

### 5. By REV. DR. MACGOWAN :—

That unsuccessful non-matriculated candidates who shall at the Survey Examination in 1905 have—in the opinion of the examiners—shewn promise of passing in 1906, be allowed a further trial in that year without first passing the Matriculation Examination of the University of the Cape of Good Hope.

19th and 20th August 1904

A Meeting of the Council was held on these days.

There were present

attendance

- The Vice-Chancellor (in the chair)
- The Pro-Vice-Chancellor
- Prof. Beattie
- Dr Beck
- Sir Bessie Berry
- Rev. Dr Flint
- Mr. Frimantle
- Prof. Hahn
- Rev. W. O. Jenkins
- Rev. Dr. Kolbe
- Prof. Logeman
- Rev. Dr. Macgowan
- Prof. Mackenzie
- Prof. Martin
- Rev. Dr. Marais
- Hon. J. X. Merriman
- Prof. Morrison
- Prof. Notholt
- Prof. Ritchie
- Rev. J. M. Russell
- Hon. W. P. Schreiner
- Sir C. Abuncrombie Smith
- Rev. Dr. Walker
- Prof. Volzoin
- Mr. Whitton.

minutes

The minutes of the previous meetings were read and confirmed.

Vote of  
Condolence  
Dr. van  
Cordt  
deceased.

Before proceeding to the business of the day it was unanimously decided, on the motion of Prof. Ritchie, to put on record the Council's regret on hearing of the death of Dr. van Cordt, and to convey the condolences of the Council with reference thereto to the family.

Resolution  
of Prof  
language  
papers.

A letter was read from the Secretary of the South African Teachers' Association drawing attention to the want of proper grading in modern language papers in the School and Matriculation examinations. It was decided to inform the Secretary that steps had been taken in connection with this year's examinations to secure the desired end.

Apppt. of  
members  
to give evidence  
to C.S. Com.

A letter was read from the Secretary of the Civil Service Commission requesting that Council would nominate two of its members to give evidence as to the views of Council with reference to the examinations qualifying for admission into the Civil Service and kindred matters. It was decided to nominate Mr. Hemantle and Prof. Morrison, on the understanding that the views expressed would not necessarily represent

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The views of Council but should simply be regarded as the expression of their individual opinions.

Letter re  
Physics Exam<sup>n</sup>

*Letters were read, or from*  
A letter from Prof. Brown was read suggesting that the same examiners conduct the practical examinations in physics and the written examination, and a letter from the Superintendent of Education of Natal requesting that the practical examinations for mining students in Natal be conducted in Natal.  
Both letters were referred to the Science Committee for report.

Letter re alternative  
papers in geometry.

A letter from Mr. T. H. Woolston was read suggesting that alternative papers on the old and new schemes in geometry be allowed before the new scheme is made compulsory.

Prof. Morrison stated that he would give notice of motion in connection with this matter for next Council meeting.

Application for  
admission to B.A. degree  
from a candidate  
whose successful last  
candidate.

A letter from Mr. Barnett was read, forwarding an application from a lady who had been declared by the examiners to have passed with Honours the Moral Science Tripos examination, Part I, at Cambridge, to be admitted to the B.A. degree.  
It was decided to inform the applicant that it was beyond the power of the Council to entertain the application.

Leave of absence

A letter from Dr. Gregory was read asking for six months' leave of absence. It was decided to grant the application.

Resignation of  
Mr. Barnett

A letter from Mr. Barnett was read tendering his resignation as a member of Council on account of his early departure from S. Africa. In connection therewith a letter from the Secretary of the Education Department of Natal was read stating that Mr. C. J. Innes, Mr. Barnett's successor as Superintendent of General, had been nominated with the approval of the Government of Natal as representative of Natal in place of Mr. Barnett.

It was decided that the necessary steps be taken to secure the approval of His Excellency the Governor to the nomination.

Resignation of  
Rev. J. H. Hofmeyr

A letter was read from the Rev. J. H. Hofmeyr tendering his resignation as a member of Council on account

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of the great difficulty he experienced in attending meetings of Council.

It was decided that the Registrar take the steps necessary to secure the election of a member to fill the vacancy thus created, by Convocation.

Report of Vice-Chancellor's Com.

The following Report of the Vice-Chancellor's Committee was submitted and adopted:

The Committee reports that it has admitted the following candidates to the Intermediate Examination:

Robert S. Carruthers.  
George Herbert Pritchard.

Dr. Barber appointed examiner in Statute Law

A letter from the Secretary of the Transvaal Law Department was read nominating Dr. S. H. Barber as examiner in Statute Law for the Transvaal Civil Juris Higher Law Examination. The nomination was confirmed.

Relaxation of Music Exam Regulations.

A letter was read from the Principal of the Lyflock Music Academy requesting that in consequence of the short notice given as to the change of Regulations for the admission of candidates to the Teachers' Diploma examination, candidates this year be admitted to Parts I and II without having previously passed the advanced Practical examination.

It was decided to grant the request as already provisionally acceded to by the Vice-Chancellor.

Extension of Music Exhibit Miss Poppe

A letter was read from the Principal of the Royal Academy of Music requesting that the period of the exhibition held by Miss Poppe be extended for one year on account of the exceptional ability displayed by her. It was decided to grant the request.

Application for extension of Music Exhibit Miss Marsh

A similar request was submitted from the Rev. E. Marsh on behalf of his daughter. It was decided that Mr. Marsh be requested to strengthen his application by submitting a Report from the authorities of the Royal College of Music.

Examiners for Chalmers Memorial Prize

The Acting Registrar reported that five essays for the Chalmers Memorial Prize had been received. It was decided to appoint Prof. Maclean and Mr. Hutchings as examiners.

*In. Examiners  
Appointed.*

The following were appointed as examiners in  
Mental and Moral Science for the M.A. examination.  
Prof. Looney, Mr. Fremantle and Prof. Kidd.

*Report of  
Literature Com<sup>tee</sup>*

The following Report of the Literature Committee  
was submitted and adopted with the amendments  
indicated in red ink:

*Syllabus in  
History.*

REPORT OF THE LITERATURE COMMITTEE  
(Submitted 19th. August, 1904.)

The Committee recommends that the following syllabuses be adopted  
for the examinations specified.

School Elementary  
First Paper. *English/History* Section A. A knowledge of the Magna Charta - The  
Armada - The Long Parliament - The Declaration of Right - and the  
lives of the following - William I, Richard I, de Montford,  
Edward I, Wiclif, Wolsey, Thomas Cromwell, Queen Mary of Scotland,  
Queen Elizabeth, Drake, Raleigh, Oliver Cromwell.

Section B. 1888 - 1815 ~~in detail~~. (As at present)

Second Paper. Outline of the History of South Africa. (As at  
present)  
*(About two thirds of the paper shall be devoted to Dutch and English)*  
School Higher.

English History from 1714 - 1871, with reference to the leading  
events in general History during the period. (As at present)

Matriculation.

The general History of Modern Europe from 1517 to 1815. (As at  
present)

Intermediate.

Either A. General History of Europe 375 - 1517 A.D.

Or B. Political and Constitutional History of England to 1485.

(The Committee recommends that either one examiner set both  
papers or, if two are appointed, that they set the papers  
in conjunction.)

B.A. Pass.

A. General European History to 1848

and B. Constitutional History of England (the whole)

B.A. Honours.

- Five papers. 1. Colonization - Ancient and Modern.  
2. (a) History of British Colonial Policy and General  
History of British Colonies and Dependencies.  
(b) History of South Africa to 1873.  
3. A period of Modern European History (to be prescribed  
from time to time.)  
*(The period suggested in the first instance is  
1756 - 1815)*  
4. Elements of Political Science and of Economic  
History.  
(Syllabus to be drawn up by the History  
sub-committee.)  
5. An Essay - A choice of three subjects to be given.

The Committee reports further that consideration of the position which shall be assigned to History at the B.A. Pass and Honours examination has been deferred.

It was further decided to refer back to the Committee the syllabuses for the Intermediate and B.A. Pass examinations in order that a detailed syllabus might be drawn up.

Report of  
Science Com<sup>tee</sup>

Syllabuses in

Biology &

Zoology.

The following Report of the Science Committee was submitted and adopted:—the new syllabus indicated to come

into force for the Intermediate Examination in 1905 and for the B.A. examination in 1906.

The Committee recommends that the following Syllabuses in Botany, Zoology and Biology be adopted for the examinations specified in place of those at present in force:

#### Botany.

##### Intermediate.

A general elementary knowledge of

- A. *Seeds*. Their form and structure: the seed-coat: outgrowths of the testa: endosperm: perisperm: embryo. Conditions of germination. Typical methods of germination.
- B. External morphology of the flowering plant: modifications of root, stem and leaf: morphology of the flower: floral diagrams: the principal forms of fruit.
- C. The main facts of pollination and seed-distribution, with special reference to South African Plants.

Pollination by wind, insects, and birds: diclinism: dichogamy: self-sterility: prepotency: dimorphism: important types of floral mechanisms which favour (a) cross-pollination, (b) self-pollination.

The more common mechanisms which favour the distribution of seeds.

- D. Structure, biology and life-histories of the following types or their equivalents:—*Saccharomyces*, *Spirogyra*, *Vaucheria*, *Nostoc*, *Mucor*, *Agaricus*, *Aspidium*, *Pinus*.
- E. Life-histories of a liverwort, *Selaginella*, *Helianthus* and *Lilium*.
- F. Internal morphology and anatomy of the Angiosperm as exemplified by *Helianthus*, *Quercus*, *Zea* and *Dracena*.

The cell and its principal modifications. Protoplasm, nucleus, plastids, cell-sap, starch-grains. The cell-wall, its structure, growth and chemical alterations. The tissues and their distribution and arrangement in root, stem and leaf. Stomata. Intercellular spaces. Secondary thickening of stem and root. Medullary rays. Annual rings. Periderm, bark, lenticels.

- G. Elementary Principles of the Physiology of Nutrition, Respiration and Growth.

Constituents of the plant-body: essential constituents of plant-food: absorption of liquids: transpiration: assimilation: products of assimilation: storage of reserve material: parasitism: saprophytism: respiration: growth of stem, root and leaf: regions of growth: measurement of rate of growth: direction of growth as influenced by light and the force of gravity.

- H. The general principles of the classification of plants. Diagnostic characters of the following Natural Orders:—Amaryllidaceae, Composite, Crassulaceae, Cruciferae, Gramineae, Iridaceae, Labiate, Leguminosae, Liliaceae, Orchidaceae, Proteaceae, Rosaceae, Thymelaeaceae, Umbelliferae.
- I. The determination of the Natural Order of a specimen or specimens belonging to one of the orders prescribed in § H. The technical description of a flowering plant (not necessarily belonging to one of the prescribed orders).

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## B.A. Pass.

1. *Written Papers* (2).

- A. The subjects of the Intermediate Syllabus treated more fully.
- B. An elementary knowledge of the morphology (including life-histories), structure, affinities and principles of sub-division of the following groups as illustrated by the families and types specified, with special reference to those marked with an asterisk :—

*Myxomycetes.*

*Schizophyta*: Nostoc\*.

*Diatomaceae*:

*Algae*: Closterium\*, Cosmarium, Mesocarpus, Zygnema\*, Spirogyra\*, Sphaerella (Haematococcus) Volvox\*, Ulothrix, Edogonium\*, Vaucheria\*, Botrydium, Caulerpa, Ectocarpus\*, Laminaria, Ecklonia, Lessonia, Pelvetia\* (or Fucus\*), Callithamnion\*, Nemalion, Chara\*.

*Fungi*: Saprolegnia\*, Pythium\*, Peronospora, Phytophthora, Mucor\*, Erysiphe\*, Sphaerotheca, Claviceps\*, Botrytis, Peziza\*, Saccharomyces\*, Ustilago, Tilletia, Puccinia\*, Polyporus\*, Merulius, Boletus, Agaricus\*, Phallus, Lycoperdon.

*Lichenes*: Parmelia\*, Collema, Cora.

*Bryophyta*: Peltia, Marchantia\*, Anthoceros\*, Sphagnum, Funaria\*, Polytrichum.

*Pteridophyta*: Ophioglossum, Isoetes, Aspidium\*, Salvinia, Marsilia, Equisetum\*, Lycopodium, Selaginella\*.

*Spermatophyta*: Stangeria, Pinus\*, Helianthus\*, Quercus\*, Zea\*, Dracena\*.

- C. The principal facts of the structure and division of the plant cell and the differentiation of the tissues of the vascular plants.
- D. A general knowledge of the physiology of growth, nutrition, movement and reproduction. Organs and their functions. Relations of the plant to external conditions.
- E. The diagnostic characters, principles of sub-division, inter-relationships, geographical distribution and economic importance of the following Natural Orders (in addition to those in the Intermediate Syllabus):—Asclepiadaceae, Campanulaceae, Caryophyllaceae, Coniferae, Cyadaceae, Cyperaceae, Ericaceae, Euphorbiaceae, Ficoideae, Geraniaceae, Malvaceae, Polygalaceae, Proteaceae, Ranunculaceae, Restiaceae, Rubiaceae, Rutaceae, Solanaceae, Scrophulariaceae.

Strasburger, Noll, Schenck and Schimper's "Text-book of Botany" (English Edition revised by Laug, 1903) Section ii pp. 157-291, may be taken as a guide to the range of the examination in § D.

*Practical Examination* (1 day).

- A. The determination of the Natural Orders of specimens belonging to orders specified in § E above and in the Intermediate Syllabus § H, and the technical description of a flowering plant not necessarily belonging to the prescribed orders.
- B. The examination by microscopic methods or otherwise of the plants marked with an asterisk in § B (or parts thereof). (Candidates will be expected to possess a knowledge of the common methods of staining and mounting for microscopic examination.)
- C. The setting up and description of simple physiological apparatus and the performance therewith of elementary experiments illustrating the phenomena of nutrition, respiration, growth and movement.

## B.A. Honours.

1. *Written Papers* (2).

- A. The subjects of the B.A. Pass Syllabus treated more fully.
- B. A general knowledge of the morphology (including life-histories), structure, affinities, and principles of sub-division of the following groups as illustrated by the families and types specified (in addition to those prescribed in the Pass Syllabus § B) with a special reference to those marked with an asterisk :—

*Schizophyta*: Oscillaria\*, Gleocapsa, Chroococcus, Rivularia, Bacteria.

*Algae*: Chlamydomonas, Pandorina\* (or Eudorina), Tetraspora, Scenedesmus, Pediastrum, Pleurococcus\*, Hydrodictyon, Ulva\*, Ulothrix\*, Enteromorpha, Coleochaete, Cladophora\*, Acetabularia, Cutleria, Sargassum, Laminaria\*, Ecklonia\*, Dictyota, Porphyra, Lemanea, Batrachospermum, Gelidium\*, Delesseria, Polysiphonia\*, Corallina, Nitella.



*Fungi*: *Pilobolus*, *Cystopus*\*, *Empusa*\*, *Protomyces*, *Thelebolus*, *Eurotium*\*, *Penicillium*\*, *Nectria*, *Coleosporium*, *Auricularia*, *Tremella*, *Pilaere*, *Exobasidium*, *Stereum*\*, *Hydnum*, *Coprinus*, *Armillaria*\*, *Amanita*, *Geaster*, "Mycorrhiza."\*

*Bryophyta*: *Riccia*\*, *Ricciocarpus*, *Fimbriaria*, *Lunularia*\*, *Fegatella*, *Notothylas*, *Jungermannia*, *Andraea*, *Archidium*, *Sphagnum*\*, *Buxbaumia*, *Fontinalis*, *Polytrichum*\*.

*Pteridophyta*: *Botrychium*, *Helminthostachys*, *Marattia*, *Angiopteris*, *Kaulfussia*, *Danaea*, *Isoetes*\*, *Osmunda*\*, *Salvinia*\*, *Azola*\*, *Pilularia*, *Marsilia*\*, *Phylloglossum*, *Psilotum*\*, *Tmesipteris*.

*Spermaphyta*: *Cycas*, *Stangeria*, *Eucephalartos*\*, *Taxus*, *Gingko*, *Podocarpus*\*, *Sequoia*, *Callitris*\*, *Ephedra*, *Welwitschia*.

- C. The more important facts of the comparative Anatomy of the Spermaphyta and Pteridophyta.
- D. A general knowledge of the common types of fossil Pteridophyta and Gymnosperms.
- E. The main facts of the geographical distribution of plants with special reference to the relations of the South African flora to those of other areas.
- F. Outlines of the history of one of the following branches of botanical knowledge (to be selected by the candidate) :—
1. Systematic Botany.
  2. Plant-form and plant-structure.
  3. Plant-physiology.
2. *Practical Examination* (2 days).
- A. As in the B.A. Pass Syllabus § B with the addition of the types marked with an asterisk in the Honours Syllabus § B.
- B. The setting up of physiological apparatus and the performance therewith of experiments illustrating the phenomena of nutrition, respiration, growth and movement.

## Zoology.

### I. Intermediate Examination.

- (1). The elements of Anatomy, Histology, Physiology and Embryology, as exemplified by the Frog.
- (2). The distinguishing characters of the following sub-kingdoms, and of the sub-divisions mentioned under each, with an elementary knowledge of the types specified :—
- |   |  |
|---|--|
| <p>(a) <i>Protozoa</i> :—</p> <p>Rhizopoda (<i>Amoeba</i>),<br/>Flagellata (Heteromita,<br/>Euglena, Volvox),<br/>Ciliata (<i>Vorticella</i>).</p>  | <p>(b) <i>Coelelentozata</i> (excluding<br/>Porifera) :—</p> <p>Hydromedusae (Hydra,<br/><i>Bougainvillia</i> or <i>Obelia</i>)<br/>Actinozoa (Actinia).</p> |
| <p>(c) <i>Annelida</i> (<i>Lumbricus</i>) :—</p> <p>(d) <i>Arthropoda</i> :—<br/>Crustacea (Palinurus<br/>[Jasus]),<br/>Insecta.</p> <p>(e) <i>Echinodermata</i> (<i>Asterias</i>)</p> <p>(f) <i>Mollusca</i> :—<br/>Gasteropoda (<i>Helix</i>),<br/>Lamellibranchiata.</p> | <p>(g) <i>Vertebrata</i> :—</p> <p>Pisces (Dogfish),<br/>Amphibia (<i>Rana</i>),<br/>Reptilia,<br/>Aves,<br/>Mammalia (<i>Lepus</i>).</p>                    |
- (3). The development of a chick or a mammal treated in an elementary manner.
- (4). An elementary knowledge of the Theory of Organic Evolution (Variation, Heredity, Natural Selection, Degeneration, Geographical Distribution).
- (5). Life Histories of the Malarial Parasite (*Laverania*), the Liver Fluke (*Fasciola*) and the Tapeworm (*Taenia*).

Candidates will be expected to have studied practically the types printed in italics in paragraph (2), or equivalents thereof.

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## B.A. Pass

## Written Examination (Two Papers) :—

- I. A general elementary knowledge of the following groups and of the sub-divisions mentioned thereunder, with special reference to the types specified, which should be studied practically where possible.

## 1. Protozoa :—

- (a) Mycetozoa.  
(b) Rhizopoda.  
    (α) Lobosa (Amœba, Diffugia).  
    (β) Heliozoa (Actinophrys or Actinosphaerium).  
(γ) Foraminifera (Globigerina).  
(δ) Radiolaria (Sphaerozoum).  
(e) Sporozoa. (Haematococcus, Euglena, Monosiga).  
(f) Ciliata (Vorticella, Zoethamnium, Paramœcium, Opalina).

## 2. Coelenterata :—

- A. Porifera.  
(a) Calcareo (*Olythus* type).  
(b) Non-calcareo.  
    (α) Myxospongia.  
    (β) Triaxonida.  
(γ) Tetraxonida.  
    (α') Tetractinellida.  
    (β') Monaxonellida.  
    (γ') Ceratosa (Euspongia).  
B. Cnidaria  
(a) Hydromedusae (Hydra, Bougainvillia, Physalia).  
(b) Scyphozoa (Aurelia).  
(c) Actinozoa.  
(α) Aleyonaria (Aleyonium).  
(β) Zoantharia.  
    (α') Actiniaria (Actinia).  
    (β') Madreporaria (Madrepora).  
(d) Ctenophora (Hormiphora).

## 3. Platyhelminthes :—

- (a) Turbellaria (Dendrocoelum or Leptoplana).  
(b) Trematoda (Fasciola).  
(c) Cestoda (Taenia).

## 4. Nemathelminthes (Ascaris).

## 5. Nematinea.

## 6. Annelida :—

- (a) Archannelida (Polygordius).  
(b) Chaetopoda.  
    (α) Polychaeta (Polynoe or Arenicola).  
    (β) Oligochaeta (Lumbricus).  
(c) Hirudinea.  
    (α) Rhynchobdellidae.  
    (β) Gnathobdellidae (Hirudo).

## 7. Rotifera.

## 8. Polyzoa (Plumatella).

## 9. Brachiopoda.

## 10. Mollusca :—

- A. Lamellibranchiata (Unio).  
B. Gasteropoda.  
(a) Isopleura.  
(b) Anisopleura.  
    (α) Streptoneura.  
    (α') Zygobranchia.  
    (β) Azygobranchia.  
(c) Euthyrea.  
(α') Opisthobranchiata.  
(β') Pulmonata (Helix).  
(c) Cephalopoda.  
    (α) Tetrabranchiata.  
    (β) Dibranchiata (Sepia).

## 11. Arthropoda :—

- A. Crustacea.  
(a) Entomostraca.  
    (α) Phyllopoda.  
    (β) Ostracoda.  
    (γ) Copepoda.  
    (δ) Cirripedia (Lepas).  
(b) Malacostraca.  
    (α) Arthrostraca.  
        (α') Amphipoda.  
        (β') Isopoda (Oniscus).  
        (β) Thoracostraca.  
            (α') Stomatopoda.  
            (β') Schizopoda.  
            (γ') Decapoda (Palinurus [Jasus]).  
B. Arachnida.  
(a) Xiphosura.  
(b) Scorpionida (Scorpio).  
(c) Araneida.  
(d) Acarina.

## C. Protracheata.

## D. Myriapoda.

- (a) Chilopoda.  
(b) Diplopoda.

## E. Insecta.

- (a) Apterygota.  
(b) Pterygota.  
    (α) Orthoptera (Blatta or Periplaneta).  
    (β) Hemiptera.  
    (γ) Coleoptera.  
    (δ) Diptera.  
    (ε) Lepidoptera.  
    (ζ) Hymenoptera.

## 12. Echinodermata.

- (a) Asteroidea (Asterias).  
(b) Ophiuroidea.  
(c) Echinoidea.  
(d) Holothuroidea (Cucumaria).  
(e) Crinoidea (Antedon).

## 13. Hemichorda.

## 14. Urochorda (Ascidia).

## 15. Cephalochorda (Amphioxus).

## 16. Vertebrata.

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- A. Cyclostomata (Petromyzon or Bdellostoma).
- B. Pisces.
  - (a) Elasmobranchii (Dogfish or Skate).
  - (b) Ganoidei.
  - (c) Teleostei.
  - (d) Dipnoi.
- C. Amphibia.
  - (a) Urodela.
  - (b) Anura (Rana).
- D. Reptilia.
  - (a) Chelonia.
  - (b) Lacertilia.
  - (c) Ophidia.
  - (d) Crocodilia.
- E. Aves :—
  - (a) Ratitae.
  - (b) Carinatae (Columba).
- F. Mammalia :—
  - (a) Prototheria.
    - Monotremata.
  - (b) Metatheria.
    - Marsupialia.
  - (c) Eutheria.
    - (a) Edentata.
    - (b) Sirenia.
    - (c) Ungulata.
      - (a) Artiodactyla.
      - (b) Perissodactyla.
    - (d) Hyracoidea.
    - (e) Proboscidea.
    - (f) Cetacea.
    - (g) Rodentia (Lepus).
    - (h) Carnivora.
      - (a) Fissipedia.
      - (b) Pinnipedia.
    - (i) Insectivora.
    - (j) Chiroptera.
    - (k) Lemuroidea.
    - (l) Anthropoidea.

- II. Elements of Comparative Anatomy and Embryology.
- III. Those portions of the Intermediate Syllabus not included in the above.

**Practical Examination (One Day)**

Dissection or examination of the types mentioned in brackets in paragraph I, or of equivalents thereof. Candidates will also be expected to be able to refer any typical examples of the groups enumerated to their proper systematic position in accordance with the scheme of classification given, and to point out the characters upon which they rely in so doing.

An elementary knowledge of microscopical methods will also be expected.

**B.A. Honours.**

**Written Examination. (Two papers):—**

The Subjects of the Intermediate and B.A. Pass Syllabus treated more fully.

Candidates will also be expected to have a general knowledge of the following groups: — Trilobita, Ammonoidea, Stegocephalia, Anomodontia, Ichthyosauria, Plesiosauria, Dinosauria, Rhynchocephalia, Saurura.

**Practical Examination. (Two days):—**

- I. As for the Pass examination but with the addition of the following types (or equivalents thereof) for dissection or examination. (Those marked with an asterisk as to external characters only, and those with a dagger as to skeleton only).

Sycon, Oscarella Tetilla† or Stelletta†, Halichondria†, Tubularia, Obelia, Cunina, Millepora†, Velella\*, Lucernaria, Gorgonia†, Corallium\*, Pennatula\*, Tubipora†, Fungia†, Terebratula†, Chiton\*, Patella, Littorina, Aplysia, Nautilus†, Octopus, Spirula†, Apus\* or Streptocephalus\*, Cypris\*, Daphnia\*, Cyclops\*, Balanus\*,

Gammarus\*, Squilla\*, Mysis\*, Telphusa\*, Limulus\*, Aranea (Epeira)\*, Peripatus, Scolopendra\*, Julus\*, Podura\*, Lepisma\*, a Beetle\*, Musca\*, a Butterfly\*, Apis\*, Echinus, Ophiura, Balanoglossus, Fritillaria, Salpa, Dextex, Testudo†, Lacerta, Bitis†, Felis†.

- II. Examination of typical chick embryos and sections thereof.
- III. Staining and mounting preparations for the microscope and cutting sections by the paraffin method.

**Biology.**

**B.A. Pass.**

**Botany :—**

**Written Examination (One Paper).**

The Syllabus will be the same as for the Intermediate Examination in Botany, but a higher standard will be expected.

**Practical Examination (One Day):—**

- A. Determination and description of specimens as for the Intermediate Examination.
- B. Examination by microscopical methods or otherwise of *Saccharomyces*, *Spirogyra*, *Mucor*, *Aspidium*, *Zea mays*, *Helianthus*.

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Zoology:-Written Examination (One Paper).

The Syllabus will be the same as for the Intermediate Examination in Zoology, but a higher standard will be expected.

Practical Examination (One Day):-

Dissection and examination of all the types specified in § 2 of the Intermediate Syllabus, or of equivalents thereof. Candidates will also be expected to be able to refer any typical examples of the groups enumerated to their proper systematic position in accordance with the scheme of classification given in the Intermediate Syllabus, and to point out the characters on which they rely in so doing. An elementary knowledge of microscopical methods will also be expected.

[It was decided to recommend (1) that there be no Honours Examination in this subject, (2) that no candidate be allowed to take Biology as a subject in the B.A. Examination who has already taken either Botany or Zoology at the Intermediate Examination, (3) that the papers set for the B.A. Examination shall be different from those set for the Intermediate, and of a higher standard.]

The Committee further reports that it has considered the extracts from the Reports of Examiners submitted to it by Council, and has no recommendations to make in connection therewith, except that a committee be appointed to revise the syllabuses in practical Chemistry for the University Examinations.

Com<sup>tee</sup> applied  
to revise syllabus  
in Practical Chem<sup>try</sup>

In connection with the last paragraph of the Report it was decided to appoint the following Committee to revise the syllabuses in Practical Chemistry: Prof. Kahn, Dr. Zietz, Prof. van der Puit, Prof. Martin, Prof. Cory, and the examiners of last year.

M.A. Exam<sup>n</sup>  
Scheme

The following Report of the Combined Science and Literature Committees was submitted and adopted with the amendments indicated in red ink.

The combined Committees recommend that the following Regulations for the M.A. Examination be adopted for 1906, but that any candidate desiring to do so be allowed to enter for the examination in accordance with these Regulations in 1905.

1. No candidate will be admitted to the M.A. Examination unless he has previously obtained or been admitted to the degree of B.A.
2. A Candidate for the degree of M.A. will be examined in any one of the six following Departments which he may select, viz:—
  1. Classics.
  2. Modern Languages.
  3. Mental and Moral Science.
  4. History.
  5. Mathematical Science.
  6. Physical and Natural Science.

The recommendation to include History as a separate Department is made subject to the condition that provision be made in the B.A. Examination for History as an Honours subject.

3. The Examination for the degree of M.A. will consist of two parts, Part I. to be the examination for the Honours B.A. degree in the subject or group of subjects selected by the candidate for his M.A. Examination, Part II. to consist of an examination as specified below.
4. No candidate will be admitted to Part II. of the examination until after the expiration of one academic year from the time of his passing Part I.
5. The minimum for a pass in Part I. shall be the minimum marks required in Honours. Candidates who have obtained this minimum at their B.A. examination will be excused Part I. of the examination for the M.A. degree.
6. Every candidate entering for Part II. of this examination must pay a fee of nine pounds. If the candidate withdraw, or fail to present himself at the examination, or fail to pass it, the fee will not be returned to him, but he will be entitled to present himself at any subsequent examination in the same department on payment of an additional fee of four pounds each time that his name is registered. The fee for Part I. is one pound.

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7. A portion of the examination in Part II. may be conducted orally should the examiners deem it expedient to do so, the Examiners to decide in each case where such oral examination shall be held.

PARTICULARS OF THE EXAMINATION IN PART II.

Department I.—Classics.—(Nine papers).

(I). The Greek and Latin Authors.

A. A special department of Literature to be chosen by the candidate from the following list, due notice of which must be given to the Registrar (Three Papers) :—

- (a) History—Herodotus, Thucydides, Xenophon, Demosthenes, Arrian, Polybius, Aristotle's *Politica*, Cicero's *Letters*, Livy, Tacitus, Caesar, Suetonius.
- (b) Philosophy—Presocratic philosophers, Plato, Aristotle, Epicetus, Marcus Aurelius, Cicero, Lucretius, Lucian, Seneca.
- (c) Drama—Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, Terence, Seneca.
- (d) Oratory and Rhetoric—Aristotle (*Poetics*, etc.), Demosthenes, Oratores Graeci, Cicero, Quintilian, Longinus. Speeches in the Historians.
- (e) Epic, Lyric and Satiric Poetry—Homer, Hesiod, Pindar, Lyrici Graeci, Vergil, Horace, Ovid, Tibullus, Propertius, Martial, Persius, Juvenal, Lucan, Catullus.

B. General Papers on Classical authors not included in the special department chosen (three papers).

II. *History and Antiquities*.—(One paper).

III. *Composition*.—(One paper).

IV. *Grammar and Philology*.—(One paper).

Department II.—Modern Languages.

One of the following languages at the option of the candidate as a main subject and one other as a subsidiary subject :

A. English :

- (1) Gothic.
- (2) Old English.
- (3) Middle English.
- (4) Modern English (Composition).
- (5) English Literature.
- (6) English History.

B. Dutch :

- (1) Gothic.
- (2) Old Saxon.
- (3) Middle Dutch.
- (4) Modern Dutch (Composition).
- (5) Dutch Literature.
- (6) Dutch History.

C. German :

- (1) Gothic.
- (2) Old High German.
- (3) Middle High German.
- (4) Modern High German (Composition).
- (5) German Literature.
- (6) German History.

D. French :

- (1) Low and Medieval Latin.
- (2) Old French.
- (3) Modern French (Composition).
- (4) French Literature.
- (5) French History.

The detailed requirements in each language, whether regarded as a main subject or as a subsidiary one, have been referred to a sub-committee consisting of Professors Clark, Logeman, Notcutt, Ritchie and Viljoen.

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## Department III.—Mental and Moral Science. (Nine Papers.)

- (1), (2) and (3) Logic and Psychology.
- (4) and (5) Ethics and the Principles of Political Obligation.
- (6) History of Ancient Philosophy.
- (7) History of Modern Philosophy.
- (8) One of the following Special Subjects to be selected by the Candidate, due notice of which must be given to the Registrar.
- (a) The Philosophy of Socrates and Plato.
- (b) The Philosophy of Aristotle.
- (c) The Philosophy of the Stoics, Epicureans and Sceptics.
- (d) Scholastic Philosophy.
- (e) The Philosophy of Descartes, Malebranche and Geulinx.
- (f) The Philosophy of Spinoza.
- (g) The Philosophy of Leibnitz.
- (h) The Philosophy of Locke, Berkeley and Hume.
- (i) The Philosophy of Kant.
- (j) ~~The Philosophy of Hegel~~  
Political Economy.
- (9) An Essay on some Philosophical subject, selected from a list of three or more proposed by the examiners.

## Department IV.—History. (Nine Papers.)

- (1) Ancient History.
- (2) Medieval History.
- (3) Modern History of Europe.
- (4) English Political and Constitutional History. (Political Geography to be studied with the History.)
- (5) One of the following:—
- (a) History of Germany, 1517—1700.
- (b) History of France, 1660—1804.
- (c) History of Holland, 1555—1713.
- (d) History of Italy, 15th and 16th Centuries.
- (6) A Period of South African History to be studied from original documents so far as published. (The period 1652—1688 is suggested in the first instance.)
- (7) A Special Subject of European History to be studied from contemporary authors and documents. ("The Crusades" is suggested in the first instance.)
- (8) One of the following:— *a subject or subjects may be selected by the candidate and approved by the Council in*
- (a) Political Science (prescribed books.)
- (b) Political Economy and Economic History (prescribed books). *the present British North American Colonies or of India since the British occupation.*
- (c) History of some particular British Colony other than South African.
- (d) History of the United States.
- (9) An Essay on some Historical subject to be selected from a list of three or more proposed by the Examiners.
- Candidates are expected to show a competent knowledge of Geography as related to the subjects of any of the above papers. (6), (7)
- [Due notice of the candidate's selection in (5), (8) and (9) must be given to the Registrar.]

(The preparation of lists of prescribed books in (8) (a) and (b) is referred to the History sub-committee.)

## Department V. Mathematical Science.

A. Three papers on the following:—

- (1) Analytical Geometry: solid, to properties of Quadrics and curvature of Curves.
- (2) Differential and Integral Calculus.
- (3) Differential Equations, up to and including Partial Differential Equations of the First Order.

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B. Three papers on one of the following six divisions, of which due notice shall be given to the Registrar :-

- (1) Elementary Theory of Functions, Elliptic functions, elementary properties of the elliptic functions of Jacobi and Weierstrass, excluding Theta functions and the Theory of Transformations, Fourier's Series, Elementary properties of the Functions of Legendre and Bessel.
- (2) Modern Algebra, Theory of Equations, Universal Algebra and non-euclidean Geometry.
- (3) Dynamics of a particle, Rigid Dynamics (including three dimensional motion), Hydrostatics, including Rotating Homogeneous liquid ellipsoids.
- (4) Hydrodynamics, Irrotational motion of a perfect fluid, two dimensional waves under gravity, Mathematical Theory of Acoustics.
- (5) Mathematical Theory of Electricity.
- (6) Thermodynamics with its applications to Properties of Matter, Electricity and Physical Chemistry, Kinetic Theories.

Department VI.—Physical and Natural Science.

One of the following five subjects at the option of the candidate :-

A. Physics :

- (1) Electricity and Magnetism.
- (2) Properties of Matter and Heat.
- (3) Sound and Light.

- (a) Candidates must take a preliminary examination in the subjects of the Honours B.A. in Mathematics.
- (b) Two papers on one of the three subjects which the candidate has specially studied, and of which he has given due notice to the Registrar.
- (c) Two papers on the other two subjects.
- (d) A practical examination extending over three days.
- (e) An oral examination on all these subjects.

B. Chemistry :

- (1) Inorganic Chemistry and Physical Chemistry.
- (2) Organic Chemistry.
- (3) Applied Chemistry, Chemical Technology and Metallurgy.
- (a) Two papers on one of the above subjects which the candidate has specially studied, and of which he has given due notice to the Registrar.
- (b) Two papers, one on each of the other two subjects which he may not have specially studied.
- (c) A practical examination extending over three days on subjects from (1), (2) and (3).
- (d) An oral examination on all these subjects.

Candidates are expected to possess a competent knowledge of modern developments of Chemistry, *and of methods of research.*

C. Geology :

- (1) Mineralogy and Crystallography.
- (2) Petrology.
- (3) Physical and Dynamical Geology.
- (4) Historical Geology, including Palaeontology and Stratigraphy.

- (a) Two written papers and one practical examination covering all four branches.
- (b) Two written papers and one practical examination confined to one of these four branches chosen by the candidate for special study, and of which due notice has been given to the Registrar.

D. Botany :

- (1) General Morphology of the Cryptogams and Phanerogams, including life-histories and embryology.
- (2) Systematic, geographic and economic Botany, with special reference to the African Flora and its relation to the floras of other regions.
- (3) Anatomy and Histology of plants (including Cytology).
- (4) The Physiology of plants.
- (5) Relations of the vegetable and animal kingdoms, Organic Evolution, Variation, Natural Selection, Bionomics, Heredity, History of Botany.

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Four written papers and two examinations (practical and oral) of five hours each.

(a) Of these, two of the written papers and one practical and oral examination shall be of a general character and include questions relating to any or all of the branches specified.

(b) The remaining two written papers and one practical and oral examination shall include only questions relating to that one of the five specified branches which the candidate shall choose, and of which he has given due notice to the Registrar.

(c) A candidate who has specialised in either of the groups (1) or (2), if he shall have made a special study of one of the following classes:—Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms—may be examined as to his knowledge of that class. This examination shall constitute such a proportion of the examination specified in section (b) as the examiner shall deem suitable. Due notice of the special class studied should be given to the Registrar.

#### E Zoology:

(1) The classification and distribution of animals in time and space, with special reference to some one group to be selected by the candidate from amongst the following, and also with special reference to South African Fauna in general:—

(a) Protozoa, (b) Porifera, (c) Coelenterata, (d) Echinodermata, (e) Annelida, Platyhelminthes and Nematelminthes (taken together), (f) Crustacea, (g) Insecta, (h) Arachnida, (i) Mollusca, (j) Pisces, (k) Amphibia, and Reptilia, (l) Aves, (m) Mammalia.

(2) The Comparative Anatomy and Histology of Animals.

(3) The Comparative Embryology and the Life-histories of animals.

(4) Philosophical Zoology — including Bionomics, the relations of the animal and vegetable kingdoms, Organic Evolution, Variation, Natural selection, Heredity, History of Zoology, etc.

(a) Two papers of a general character, including all the branches of the subject.

(b) Two on one branch which the candidate has specially studied, and of which he has given due notice to the Registrar.

(c) Two days' practical work of five hours each.

Candidates will be expected to be familiar with the principal methods of Zoological research, including the use of the Microtome, the various methods of staining and preparing material for microscopical examination, the dissection of types, etc., and to be able to apply these methods to the investigation of any specimens which may be set before them in the practical examination.

The practical examination will be held subsequently to the written examination, and the examiner may, if he so wishes, require any candidate to undergo an oral examination as well.

Report of Geometry  
Com<sup>tee</sup>

The following Report of the Geometry Committee was submitted and adopted with the addition of the name of the book and publisher in No. 1.

The Committee reports:—

(1) That it considers the Revised Syllabus in Geometry for the School Elementary Examination is covered by one of the following books:—Barnard and Child, New Geometry for Junior Forms (Macmillan), Baker and Bourne, Elementary Geometry, Book I. (Bell); Hall and Stevens, School Geometry, Book I. (Macmillan); Godfrey and Siddon's Geometry, *Practical and Theoretical, Part I, and Part II* (Cambridge Press)

(2) That it has referred the selection of other books for the School Elementary and for the School Higher and Matriculation Examinations to sub-committees.

(3) That it has referred the drafting of a Syllabus for the Intermediate and Higher University Examinations to a sub-committee.



19 Aug. 1902

The following Report of the Survey Committee was submitted and adopted with the omission of § 2.

Report of Survey Com<sup>tee</sup>

1. That it recommends that a certificate be given to Mr. Robert Gay M.A., M.Sc., C.E., stating that he has passed examinations which are in the opinion of the University Council at least equivalent to the examination in the Theory of Land-surveying of this University as detailed in the syllabus proposed for the examination of 1906.

- (2) That in considering the qualifications of candidates for exemption from the examination in the Theory of Land-surveying, it has adopted the new Scheme of examination as the standard.
- (3) That it recommends that a minimum of 20 per cent. be required of candidates in each part of the Geometry and Plane Trigonometry papers, with a minimum of 30 per cent. on the whole paper in each case, approximately half the paper being devoted to each part.
- (4) That in Physics half the marks be assigned to the Theoretical examination and half to the practical.
- (5) That Parts I. and II. of the examination be as follows:—  
 Part I.—Arithmetic, Geometry, Plane Trigonometry and Mensuration.  
 Part II.—Algebra and Differential Calculus, Spherical Trigonometry and Astronomy, Co-ordinate Geometry and the Theory of Surveying, Optics and Heat.
- (6) That the fee for the whole examination be £15.

motion re  
matric. of  
Oxford to survey

In connection therewith the following motion of which due notice had been given by Rev. Dr. Macgibbon was considered.

That unsuccessful non-matriculated candidates who shall at the Survey Examination in 1905 have—in the opinion of the examiners—shewn promise of passing in 1906, be allowed a further trial in that year without first passing the Matriculation Examination of the University of the Cape of Good Hope.

The motion, as amended to suit the exact terms of the new Regulations was put to the vote and negatived.

extension of  
time to Mining  
Students

A letter was read from the Secretary of the Transvaal Technical Institute requesting that a months extension of time be granted to the Fourth Year Mining Students for handing in their Mine Reports on account of the larger amount of time given by them this year to lectures. It was decided to grant the request as a special concession for this year.

Fees to examiners

The Report of the Committee appointed to revise the scale of fees to examiners was submitted. After discussion the debate was adjourned.

The meeting then adjourned till Saturday, September 30.

Adjourned Meeting, 3rd September, 1904

At the adjourned meeting held on September 3rd  
there were present:

Attendance

The Vice-Chancellor (in the Chair)  
The Pro Vice-Chancellor.

Prof. Beattie  
Sir Bissell Berry  
Rev. Dr. Hunt  
Mr. Fremantle  
Right Rev. Dr. Gibson  
Prof. Hahn  
Prof. Logeman  
Prof. Mackenzie  
Prof. Marston  
Rev. Dr. Marais  
Prof. Morrison

Prof. Inghatt  
Prof. Ritchie  
Rev. J. M. Russell  
Sir C. Abercrombie Smith  
Rev. Dr. Walker  
Prof. Viljoen  
Mr. Whitton.

Fees to Examiners.

It was decided, after brief discussion, that the  
question of the Revised Scale of Fees to examiners  
should stand over: But that the scale of fees suggested for the LL.B.  
and C.S. Higher Law Examiners be adopted: viz £5 for preparing and 5% for examining on three hours paper.

Report of Law  
Com<sup>tee</sup>

The following Report of the Law Committee was  
submitted and adopted:-

I. The Committee recommends:-

- (1) That Van Leeuwen's Commentaries on Roman-Dutch Law (Kotze's Translation; 2 Vols.) be added as a subject for the Preliminary LL.B. Examination.
- (2) That the prescribed books in Roman-Dutch Law for the Final LL.B. Examination be as follows:-
  - (a) Van Leeuwen's Commentaries (as in the Preliminary).
  - (b) Grotius' Introduction to Dutch Jurisprudence (Maaslop's Translation with Schorer's Notes).
  - (c) Van der Keessel's Select Theses on the Laws of Holland and Zealand.
  - (d) The Prefatory Remarks on Provisional Sentence in Volume I. of Menzies' Reports.
- (3) That certain subjects relating to leading cases shall be indicated in the instructions with reference to the decisions of the South African Courts (Calendar pp. 130 and 132).

II. The Committee reports that the syllabus of the Law Certificate Examination is receiving consideration with a view to some alteration in the text-books prescribed for English Law.

In connection with section I (3) above it was decided that the following subjects should be specified for the examinations of 1905

For the Preliminary LL.B.: Decisions referring to Cession of actions and agencies.

For the Final LL.B.: Decisions referring to quarantine and suretyship; Hypothec and mortgages.

The Report of the Matriculation Committee was resubmitted and after discussion it was decided:

1. That the recommendation to institute a Leaving certificate examination be not adopted.
2. That discussion of the recommendations with reference to the Matriculation examination be adjourned and that the whole matter be referred to a committee which shall be empowered to procure all possible information with regard to the experience of other Universities where Latin and Mathematics have been rendered optional in the Matriculation examination: the Committee to be composed as follows: The Vice-Chancellor, the Pro-Vice-Chancellor, Prof. Beattie, Prof. Ritchie, Dr. Walker and Mr. Whitton.

Actions held over.

The following motions by Prof. Beattie were held over pending the investigations of the same Committee:

(a) That in and after December, 1906, the subjects for the Intermediate Examination be divided into two groups:—

A. English.	B. Mathematics.
Dutch.	Dynamics.
Latin.	Physics.
Greek.	Chemistry.
German.	Botany.
French.	Zoology.
History.	Geology.

(b) That the candidates for the Intermediate Examination may not take more than six of these subjects, at least two to be taken from each group.

(c) That a committee be appointed to make any changes in the regulations, marks, and syllabuses which may be deemed necessary for the proper carrying out of (a) and (b).

Motion on appointment of examiners withdrawn

The following motion was resubmitted by Mr. Stenmantle, but withdrawn in consequence of the ruling of the Vice-Chancellor that no steps could be taken in the direction indicated therein without fresh legislation:

That all Intermediate, B.A. and M.A. Examinations be conducted by committees consisting in each case of an external examiner, and the Professors of the subject of examination at all colleges earning the higher grants under the extension of the Higher Education Act, 1902; that the external examiner set the papers, which shall be revised by the committee; that the external examiner be chairman of the committee with a vote and a casting vote, and that no Professor examine the papers of his own students.

Committee appointed to revise syllabus in Physics.

It was decided to adopt the following motion by Prof. Beattie and to appoint Prof. Morrison, Prof. Beattie, Prof. Brown, and the examiners of this year as members of the committee to revise the syllabuses in Physics:

(b) That a committee be appointed to rearrange the syllabuses in Physics.

Motion re Applied Mathematics.

The following motion by Prof. Beattie was referred to the Science Committee for report:—

That a committee be appointed to consider the advisability of making Applied Mathematics a separate subject for the B.A. Pass and Honours Examinations; and that this committee be empowered, in the case of such desirability being proved, to revise the syllabuses in Pure Mathematics, Applied Mathematics, and Physics.

3 Sept. re  
Schol. Elementary  
Exam<sup>n</sup>

The following motion, of which due notice had been given,  
by Sir Basil Bury was put to the vote and negatived:

That the School Elementary Examination be abolished.

Motion re

M. E. examination.

The following motions by Mr. Morrison were referred to  
the combined Literature and Science Committee for report:-

- (a) That candidates for the Pass B.A. degree in Literature and Philosophy be permitted to take two or three of their subjects one year after their Intermediate Examination, and candidates for the Pass B.A. degree in Science two of their subjects.
- (b) That a candidate be not admitted to the Honours Examination in any subject or group of subjects until one year after he has passed in the corresponding subject in the Pass Examination.
- (c) That, should the above proposals be adopted, the Pass Examination in Science contain hereafter four subjects; that there be only one Pass Examination in Mathematics, namely Mathematics A, slightly extended, if necessary, by the inclusion of parts of Mathematics B, and that the rest of Mathematics B be included in the Honours Examination.
- (d) That candidates at the Pass B.A. Examination be permitted to substitute one Science subject for one of the Literature subjects, and that Science candidates be permitted to substitute French or German or History or Logic and Psychology for one of their Science subjects.

Motion re meeting  
of Council.

The following motion by Mr. Lozman was held  
over:-

That No. 1 of the Rules of Order and Procedure of the Council be altered in such wise as to secure six ordinary meetings of Council each year.

Confirmed  
4/11/04

J. Buchanan

CONFIDENTIAL.

BUSINESS

# University of the Cape of Good Hope.

## QUARTERLY COUNCIL MEETING :

4th November, 1904.

### THIRD NOTICE.

University Offices.

Huguenot Memorial Buildings,

Queen Victoria Street, Cape Town

1st November, 1904.

The next Quarterly Meeting of Council will be held on Friday, 4th November, at 2 p.m., resuming on Saturday, 5th November, at 10 a.m.

A. A. ELLIOTT,

Acting Registrar.

Statistical Table of candidates registered for the examinations of 1904 with the corresponding numbers for 1903 appended.

	1904.	1903.
School Elementary	884 + 6 + 1	966
School Higher	<u>1277 + 6 + 12</u>	<u>1129</u>
Total.	2161 + 12 + 13	2095
Matriculation	1050 + 6	898
Intermediate	151	158
B.A. (Literature)	34	29
B.A. (Science)	22	16
M.A.	2	6
Law Certificate (Cape)	129 + 2	123
" " (Transvaal)	52 + 1	39
" " (O.R.C.)	22	4
" " (Natal)	2	—
Preliminary LL.B.	23	21
Final LL.B.	18 + 1	8
B.L.D.	1	1
Civil Service Lower Law (Cape)	117 + 4	150
" " " " (Transvaal)	42 + 2	46
" " " " (O.R.C.)	15 + 2	12
" " " " (Rhodesian)	46	49
" " Higher " (Transvaal)	3	—
Civil Service Preliminary LL.B.	1	2
Survey	118 + 1	96
First Mining	30	30
Second Mining	11	23
Final Mining	<u>24 + 1</u>	<u>8</u>
Total	<del>2119</del>	1720

1930

Messrs Epyker and Long were appointed to act as Scrutineers of the marks and lists of 1904.

The date on which the University examinations in 1905 should commence was discussed. It was decided that in accordance with a previous resolution of Council they should begin on December 11th.

Mr Justice Inasdoorp was appointed a member of the South African College Council for the period of one year in place of Mr C.H. van Zyl, resigned.

The following report of the Examiners for the Chalmer Memorial Prize was presented, and in connection therewith the Vice-Chancellor reported that Prof. Pearson had been appointed as an examiner in place of Prof. Macowan who was unable to act.

Report of Examiners for Chalmer's Memorial Prize.

None of the essays submitted show a complete knowledge of the subject prescribed. It appears that very little literature, apart from certain European textbooks, has been consulted.

The literary style in at least two of the five essays is not of a high order. A clear and definite exposition has been too often sacrificed to high sounding phrases, the import of which is not always apparent.

The essay <sup>under the nom de plume</sup> "A fool in the forest" is undoubtedly the best, and we are of opinion that the Chalmer's Memorial Prize should be awarded to the author.

Assuming a maximum of 100 marks, we have rated the value of the essays as follows:-

"A fool in the forest"	45
"Nec <sup>temere</sup> <del>timidus</del> nec timide"	22
"Man in his Ignorance" (not eligible)	18
"Nil desperandum"	15
"Silvae et Pluvea"	10

D. Hutchins  
 M. W. Pearson

It was decided to award the prize in accordance with the recommendation of the examiners to the author of the Essay under the name of "a fool in the forest" - Mr H. D. B. Davis.

The following was selected as the subject for the Essay for the Chalmer's Memorial Prize for 1905:-  
 "The Influence of the Settlers' Movement of 1820 on the Progress of South Africa."

A letter was read from the Secretary of the Board of Studies of the Transvaal Technical Institute at Johannesburg requesting that no examination in Practical Assaying be held this year as no instruction in the subject had been given this year. It was decided to inform the Secretary that the request could not be granted.

It was further decided that Prof. Hahn should proceed to Johannesburg to conduct such an

examination as the conveniences placed at the disposal of the University at Professor Eckstein's laboratory would allow, and that he should report the results to Council.

An application from Mr G. A. Sichel, B.A., was submitted requesting leave to take Part I of the M.A. examination in Chemistry in accordance with the Revised Scheme this year. The request was granted.

The following Report of the Ad Eundem Degrees Committee was submitted:

APPLICATIONS FOR ADMISSION TO DEGREES  
RECOMMENDED BY THE COMMITTEE.

NAME OF APPLICANT.	DEGREE	UNIVERSITY.	YEAR	DEGREE TO WHICH APPLICANT DESIRES ADMISSION.	SPONSOR.
Aird, William ...	M.A.	Glasgow	1902	M.A.	Mr. J. R. Whitton
Alexander, Morris ...	M.A.	Cambridge	1904	M.A.	Professor Ritchie
Bennett, John ...	M.A.	Oxford	1880	M.A.	Rev. Dr. Macgowan
Bird, Clifford Gordon ...	B.A.	Oxford	1902	B.A.	Sir W. Bisset Berry
Brown, Alexander ...	M.A.	Edinburgh	1897	M.A.	Professor Beattie
Bundock, T. ...	B.A.	London	1886	B.A.	Rev. Dr. Macgowan
Bunting, Sidney Percival ...	<del>M.A.</del> B.A.	Oxford	1896	<del>M.A.</del> B.A.	Sir John Buchanan
Caldwell, John Preston ...	B.A.	Dublin	1903	B.A.	Dr. Muir
Campbell, Rev. James Alexander ...	M.A.	Royal University, Ireland	1881	M.A.	Professor Walker
Corbett, Alan Frederick ...	B.A.	Oxford	1902	B.A.	Hon. W. P. Schreiner
*Crofts, James Murray ...	{ M.A. } { B.Sc. }	{ Cambridge } { London }	{ 1900 } { 1897 }	{ M.A. } { B.Sc. }	Professor Beattie
*Donovan, Richard Bartholomew ...	B.A.	Cambridge	1900	B.A.	Sir C. Abercrombie Smith
Edgar, John ...	M.A.	Glasgow	1897	M.A.	Professor Ritchie
Godée-Molsbergen, Everhardus Cornelis ...	Lit.D.	Leyden	1902	<del>M.A.</del> Lit.D.	Professor Viljoen
Gurney, Rev. Samuel ...	M.D.	Yale, U.S.A.	1901	M.D.	Rev. Dr. Flint
*Horsfall, Leonard Arthur ...	B.A.	Melbourne	1895	B.A.	Professor Hahn
Kidd, Arthur Stanley ...	M.A.	Cambridge	1902	M.A.	Rev. Dr. Macgowan
Kramer, Hermann ...	{ M.B. } { Ch.B. }	Edinburgh	1902	M.B.	Professor Hahn
Krause, Frederick Edward T. ...	LL.D.	Amsterdam	1893	LL.D.	Professor Viljoen
Martindell, Ernest Walter ...	M.A.	Oxford	1903	M.A.	Mr. Searle
McLaren, James ...	M.A.	Edinburgh	1878	M.A.	Rev. J. M. Russell
Mellor, John ... <i>Mitchell John Charles</i>	B.A.	London	1895	B.A.	Rev. Dr. Macgowan
Musselwhite, Rev. Edward William H. ...	M.B., D.Sc.	Edinburgh	1896	D.Sc.	Dr. Muir
O'Malley, Barret Leonard A. ...	B.A.	London	1895	B.A.	Rev. W. O. Jenkins
O'Malley, Barret Leonard A. ...	B.A.	Cambridge	1899	B.A.	Dr. Muir
Pattison, David Ballingall ...	M.A.	Glasgow	1889	M.A.	Mr. Barnett
Pattison, John ...	M.A.	Edinburgh	1898	M.A.	Mr. J. R. Whitton
Rainsford, Edwin Grome ...	{ B.A. } { LL.D. }	Dublin	{ 1895 } { 1899 }	{ B.A. } { LL.D. }	Sir John Buchanan
Robertson, Samuel ...	M.A.	Edinburgh	1900	M.A.	Dr. Muir
*Robinson, Montgomery Blair ...	B.A.	Dublin	1901	B.A.	Sir C. Abercrombie Smith
Struben, Charles Frederick William ...	M.A.	Oxford	1903	M.A.	Dr. Muir
Theophilus, Reginald Arthur ...	B.A.	Cambridge	...	B.A.	Rev. Dr. Macgowan
Tietz, Heinrich ...	{ Ph.D. } { M.A. }	Berlin	1902	M.A.	Professor Hahn
Wells, Alexander Simpson ...	{ M.A. } { M.B. }	Glasgow	{ 1895 } { 1899 }	{ M.A. } { M.B. }	Rev. J. M. Russell
*Wheatcroft, Leonard Rowland ...	B.Sc.	London	1901	B.Sc.	Dr. Muir
Wiles, Clement Christopher ...	M.A.	Cambridge	1904	M.A.	Dr. Muir

\* Those marked with an Asterisk are not personally known to their sponsors, but the Committee recommends that they be admitted as their sponsors have satisfactory evidence of the suitability of the applicants for admission.



It was resolved to admit all the applicants indicated, in accordance with the recommendation of the Committee.

The following Report of the Vice-Chancellors Committee was submitted and adopted:-

The Committee reports that it has admitted the following candidates to the examinations specified:-

- To the Intermediate Examination:
  - Gerrit Besselaur.
  - Archibald C. Broadhead.
  - Rose M. Hancock.
  - Philip W. Harding.
  - Mathew Martin.
- To the B.A. Examination:
  - Joseph J. B. Mackarell.
- To the Final (Partial) L.L.B. Examination:
  - Archibald Findlay.
  - Leonard A. Horsfall†
  - David B. Pattison.†
  - Dominicus G. J. van Hoytema.

† Subject to being admitted to an ad eundem Degree in Arts.

The following Report of the Literature Committee was submitted with reference to the special subjects for the examinations of 1906:-

The Committee recommends that the following Lists of Subjects be adopted for the Examinations of 1906:-

**SCHOOL HIGHER EXAMINATION.**

ENGLISH:-  
Kingsley—*Westward Ho.*  
Tennyson—*Select Poems.*

**MATRICULATION EXAMINATION.**

ENGLISH:-  
Shakespeare—*As You Like It.*  
Macaulay—*Essay on Warren Hastings.*

LATIN:-  
Cicero—*De Imperio Cn. Pompei.*  
Virgil—*Aeneid V. 124-285.*

GREEK:-  
Lucian—*Contemplatives.*

**INTERMEDIATE EXAMINATION.**

ENGLISH:-  
Period of Literature. 1750-1830.  
History of the Language—*Bradley—The Making of English.*  
Milton—*Paradise Lost, V. and VI.*  
Macaulay—*Essay on Milton.*

LATIN:-  
Cicero—*Epistolae ad Familiares I. 1-9.*  
Virgil—*Aeneid IV.*

GREEK:-  
Demosthenes—*Coron and Callicles.*  
Homer—*Iliad I.*

**B.A. EXAMINATION.**

ENGLISH:-  
I.—Pass Examination:  
First Paper.  
Period of Literature—1750-1830.  
Shakespeare—*Two Gentlemen of Verona, Henry V., Twelfth Night, Antony and Cleopatra, Hamlet, Cymbeline.*  
Second Paper.  
Tennyson—*In Memoriam.*  
More—*Utopia.*  
Jane Austen—*Works, with special reference to Pride and Prejudice.*

II.—Honours Examination:  
First Paper.  
Part I.—Chaucer—*Prologue, and Nun's Priest's Tale.*  
Second Paper.  
Part II.—*English Satire.*  
Dryden—*MacFlecknoe.*  
Pope—*The Dunciad.*

## LATIN :—

- I.—Pass Examination :  
 Cicero—*Tusculanae Disputationes I.*  
 Tacitus—*Germania and Agricola.*  
 Terence—*Hautontimorumenos.*

- II.—Honours Examination :  
 Lucan—*Pharsalia I.*  
 Quintilian—*Book X.*

## GREEK :—

- I.—Pass Examination :  
 Sophocles—*Antigone.*  
 Herodotus—*Book VI.*  
 Plato—*Protagoras.*

- II.—Honours Examination :  
~~Plato—*Thaetetus.*~~ *Aristotle—Poetics.*  
 Aristophanes—*Birds.*

## DUTCH :—

- I.—Pass Examination :  
 First Paper.  
 Part I.—Period of Literature—1830-1880.  
 Part II.—Vondel—*Gijsbreght van Aemstel.*  
 Hooft—*Granida.*  
 Huygens—*Oogentroost.*

## Second Paper.

~~Geel—*Geest en deugd der Drukkers.*~~ *Potgieter—Het Ryksmuseum*  
 Vosmaer—*Amazon.*  
 Van Beers—*Livarda, Begga.*  
 Cremer—*Wouter Ling.*

## II.—Honours Examination :

First Paper.  
*Carel ende Elegast (Edited by H. W. E. Moller, 1904).*

## Second Paper.

*The Drama of the 19th Century.*  
 Multatuli—*Vorstenschool.*  
 Schimmel—*Zege na strijd.*  
 Glanor—*Uitgaan.*

## FRENCH :—

- I.—Pass Examination :  
 First Paper.  
 Part I.—Period of Literature—17th Century.  
 Part II.—Molière—*Bourgeois Gentilhomme ; Femmes Savantes, Précieuses Ridicules.*

## Second Paper.

Corneille—*Rodogune.*  
 Augier et Sandeau—*Le Gendre de M. Poirier.*  
 Erkmann Chatrian—*Histoire d'un Conscrit.*  
 H. de Bornier—*La Fille de Roland.*

## II.—Honours Examination :

## First Paper.

Part I.—M. Clédat—*Chrestomathie du Moyen-âge. (p.p. 140-189, Chrétien de Troyes, Benoît de Saint-Maure, Le Roman de Renart.)*

## Second Paper.

*The Drama of the 19th Century :*  
 Halévy—*L'abbé Constantin.*  
 Edouard Pailleron—*Le Monde où l'on s'ennuie.*  
 Edmond Rostand—*L'Aiglon.*

## GERMAN :—

- I.—Pass Examination :  
 First Paper.  
 Part I.—Period of Literature—1724-1832.  
 Part II.—Schiller—*Don Carlos, Wilhelm Tell, Fiesko.*

## Second Paper.

Göthe—*Tasso.*  
 Lessing—*Laocöon.*  
 Heine—*Die Harzreise.*

## II.—Honours Examination :

## First Paper.

Hartmann v. Aue—*Der Arme Heinrich.*

## Second Paper.

*The Drama of the 19th Century :*  
 Göthe—*Faust. (Urfaust, the fragment, der Tragödie erster Theil, General Studemann—Heim.)*

## PHILOSOPHY :—

## Honours Examination :

## Third Paper.

Plato—*Phaedo* (Church's Translation).  
*Theaetetus* (Kennedy's Translation).  
 Berkeley—*Principles of Human Knowledge.*

The Committee further recommends that :—

**In and after 1906, the following Lists of Books will take the place of those specified on page 110 of the Calendar, 1904-5, as indicating the range of the examination in the subjects specified :**

## (a) LOGIC :—

Jevon's Elementary Lessons in Logic.  
 Mellone's Introductory Text-Book of Logic.  
 Minto's Logic, Inductive and Deductive.

## (b) PSYCHOLOGY :—

Baldwin's Elements of Psychology.  
 James' Text-Book of Psychology.  
 Höffding's Outlines of Psychology.  
 Stout's Groundwork of Psychology.

The Report was adopted with the modifications indicated in red ink and the more definite specification as follows of the Poems of Tennyson for the School Higher examination:

Select Poems of Tennyson ed. George & Stodors

To the Queen

Recollections of the Arabian Nights

The Lady of Shalott

Ukraine

The Lotus Eaters

Ulysses

The Lord of Burleigh

Ode on the Death of the Duke of Wellington

Lucretia

The Passing of Arthur

The Revenge

Crossing the Bar

The following further Report of the Committee was submitted:

The Committee submits the following recommendations:-

1. That the revised syllabuses in History for the School Elementary and for the Intermediate examinations come into operation in 1905.
2. That the detailed syllabus in Mediaeval History for the Intermediate examination be the same as at present with the substitution of the following in place of the present first line (Calendar p. 97) -

Outlines of General History of Europe 375-1517 A.D.  
 its division into periods.  
 general condition of Europe in 375:  
 (a) The Roman Empire  
 (b) The rest of Europe

- 3 (a) That if the recommendation to the Council of the Literature and Science Committee be accepted, viz. that a candidate shall be allowed to pass some of his B.A. Pass subjects at the end of one year after the Intermediate examination the Committee recommends that the resolution that not more than five subjects be allowed in the Pass B.A. examination be rescinded and that History be added as a sixth compulsory subject.

3. (b) That if the above mentioned recommendations of the joint Committee be not accepted, at the B.A. Pass examination Latin, Greek and Philosophy be compulsory and History be alternative to either (1) English or (2) Modern Language.
- (4) That if either proposal be adopted, the date of including History in the B.A. Syllabus be 1906, if possible.

[Note: Recommendations Nos 3 and 4 above were made under the impression that the Report of the joint Committee would be submitted simultaneously. The joint Committee adopted the following recommendations:

- (a) That candidates for the Pass B.A. degree may take the examination in two parts, the first part of which shall consist of at least two subjects and may be taken one year after the Intermediate.
- (b) That Part I in Literature shall include not more than three subjects and in Science not more than two.
- (c) That a candidate be not admitted to the Honours examination in any subject or group of subject until one year after he has passed in the corresponding subject in the Pass Examination.
- (d) That candidates at the Pass B.A. Examination be permitted to substitute French or German or History or Logic and Psychology for one of their Science Subjects, and one Science subject for one of the Literature subjects.

The Joint Committee however decided not to present a complete report until it had received a subsidiary report from the Science Committee; as the latter Committee referred the matter in part back to the Joint Committee, time has not allowed a further meeting of the Joint Committee.]

After discussion it was decided

- (a) That §§ 1 and 2 of the Report be adopted;
- (b) That § 3(a) should stand over pending the presentation of the Report of the Joint Committee;
- (c) That § 3(b) be adopted in the following amended form

"That at the Pass B.A. Examination in 1906 Latin, Greek and Philosophy be compulsory and any two of the following

- (a) English
- (b) a second Modern Language (Dutch, German or French)
- (c) History."

The following Report of the Committee appointed to deal with the question of the use of College laboratories for the Practical examinations in Science was submitted:

The Committee submits the following recommendations

1. That the University pay a fee for laboratories used by it for examination purposes.
2. That the fees for the various practical examinations be as follows:-

Intermediate - Chemistry	<del>4</del> <sup>5</sup> /-	per candidate.
{ Geology	5/-	"
First Mining - Chemistry	6/8	per candidate per day.
{ Physics	<del>10</del> 5/-	"
{ Geology	5/-	"
B.A. Passand - Chemistry	6/8	"
Honours. { Physics	<del>10</del> 5/-	"
{ Botany	5/-	"
{ Zoology	5/-	"
B.A. Pass - Geology	5/-	"
" Honours - Geology	<del>10</del> 5/-	"
Pass - Biology	5/-	"
Final Mining - Assaying	15/-	"

3. That in each laboratory there be at least one person nominated by the head of the laboratory who shall be recognized as a University officer for the time being, and that the fee for this office shall be £1. per day during the time of engagement.
4. That the University hold itself responsible for any serious material damage to apparatus.

The Report was adopted with the alterations as indicated.

The following Report of the Science Committee was submitted:

The Committee reports that it has considered the question of Centre for the practical examination in Science for this year and submits the following recommendations:-

1. That for the practical examinations in Science at the First Mining and B.A. examinations there be one centre and that Cape Town be that Centre.
2. That the practical examination in Assaying at the Final Mining Examination be held at Johannesburg only.

3. That in the case of candidates coming from a distance to Cape Town the second class fare at scholar's rates by rail or sea be paid by the University, and an allowance of 5/- per day be granted during the time of travelling and the time of examination.

The Committee further reports that it has appointed a subcommittee to consider motions dealing with the advisability of making Applied Mathematics a separate subject for the B.A. examination, and with the advisability of having only one examination in Mathematics at the B.A. Pass examination.

The names of the members of the sub-committee are as follows:—Professors Beattie, Brown, Crawford Kent, Mackenzie and Morrison, Messrs Littlewood Hough and Matthews and Miss Smith.

After discussion the following amendment to recommendation No 1 was put to the vote and carried:

"That the arrangements for the practical examinations in Science of last year be continued this year."

The remaining part of the Report was adopted.

The following Report of the Music Committee was submitted:

#### A.

The Committee reports that in accordance with the recommendations of the Examiners, the Exhibition and Bursaries have been awarded as follows:—

EXHIBITION:—Witt, Franziska, Riebeck College, Uitenhage.

BURSARIES:—(Names in alphabetical order.)

Cadby, Ruby, St. Mary's Convent, Wynberg (Violin, Intermediate division).

Dickerson, Elizabeth, private study, Grahamstown (Pianoforte, Intermediate division).

Hoexter, Oscar Hendrik, private study, Molteno (Violin, Higher division).

Jackson, Violet Kate, School of Music, Pietermaritzburg (Pianoforte, Advanced division).

Payn, Ethel, Epworth High School, Pietermaritzburg (Pianoforte, Advanced division).

Schonken, Nellie Annie Maria, Girls' High School, Worcester (Pianoforte, Higher division).

Taylor, Muriel, Rhenish Institute, Stellenbosch (Pianoforte, Intermediate division).

Van Niekerk, Johanna, Greylock Music Academy, Stellenbosch (Pianoforte, Intermediate division).

Whiteside, Ethel Mary, Riebeck College, Uitenhage (Pianoforte, Advanced division).

#### B.

The Committee submits the following recommendations:

1. That in 1905 an examination be held in the Elementary Division of each subject of the Practical Examinations conducted by the Examiners of the Associated Board.

[N.B.—The Rudiments (written) Examination is not a necessary preliminary to the Elementary Division of the Practical Examinations.]

2. That in 1905, the 'Harp' be added to the list of Subjects of the Practical Examinations.

It was decided after discussion to adopt section A and section B.2., but not to institute an Elementary Division for the examinations of 1905.

The following Report of the Geometry Committee was adopted; the revised syllabus indicated therein to come into force in 1905.

## A

The Committee recommends that the following be the Syllabuses in Geometry and Trigonometry combined for the two papers which it is proposed to set at the Intermediate Examination, one paper to be compulsory and the other optional.

### Syllabus of Compulsory Paper in Geometry and Trigonometry.

#### Geometry:

- Triangles with given angles described in and about a circle.  
 Simple cases of Associated Circles of triangles.  
 Area of rectangle, area of triangle, in terms of altitude and base.  
 The areas of triangles or parallelograms of equal altitudes are to one another as their bases.  
 In a right angled triangle, if a perpendicular be drawn from the right angle to the hypotenuse, the triangles on each side of it are similar to one another and to the whole triangle.  
 If two triangles or parallelograms have one angle of the one equal to one angle of the other, their areas are proportional to the areas of the rectangles contained by the sides about the equal angles.  
 The areas of similar triangles are proportional to the squares on their corresponding sides.  
 The areas of similar polygons are proportional to the squares on their corresponding sides.  
 The areas of similar polygons inscribed in circles are proportional to the squares on the radii of the circles.  
 In equal circles, angles at the centres or angles at the circumferences are proportional to the arcs on which they stand; so also are the sectors.  
 [NOTE.—It is to be assumed that it is impossible to distinguish between a circle and an inscribed regular polygon of a sufficiently large number of sides, and hence, that each side of the polygon must be taken as coinciding with the corresponding arc.]  
 In any two circles arcs subtending equal angles at the centre are proportional to the radii of the circles.  
 If in two circles arcs are cut off proportional to the radii, they subtend equal angles at the centre.  
 Definition of a radian.  
 The circumference of a circle is proportional to the radius of the circle.  
 The areas of sectors of equal angles in different circles are proportional to the squares of the radii.  
 The area of a circle is proportional to the square of its radius, and is equal to the product of half the circumference and the radius.  
 [NOTE.—In the above propositions Proofs for commensurable quantities only are required.]

#### Trigonometry:

- Measurement of angles in degrees, minutes, and seconds.  
 Definitions of, and relations between, trigonometrical ratios of an acute angle.  
 Connection between ratios of an acute angle and its complement.  
 Ratios of  $0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ$ .  
 Use of mathematical tables.  
 Solution of right-angled triangles (with or without logarithms).  
 Ratios of  $(A + B)$ , and  $(A - B)$  in terms of ratios of  $A$  and  $B$ , for  $A, B$ , and  $A + B$  acute and  $A$  greater than  $B$ : ratios of  $2A$  in terms of ratios of  $A$  for  $2A$  acute.  
 Properties of an acute-angled triangle, (1)  $\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$ ; (2)  $\cos A = \frac{b^2 + c^2 - a^2}{2bc}$  and similar values for  $\cos B, \cos C$ ; (3)  $\text{area} = \frac{1}{2} bc \sin A$  and two similar values.  
 Solution of acute-angled triangles, given two angles and one side (with or without logarithms).  
 Solution of acute-angled triangles, given two sides and included angle or three sides (without logarithms).  
 Calculation of heights and distances, by methods limited to use of above results.  
 [NOTE.—4-figure tables to be used. Evaluation of angles to seconds not required.]

*Geometry :*

Triangles with given angles described in and about a circle.

Simple cases of Associated Circles of triangles.

Area of rectangle, area of triangle, in terms of altitude and base.

The areas of triangles or parallelograms of equal altitudes are to one another as their bases.

In a right angled triangle, if a perpendicular be drawn from the right angle to the hypotenuse, the triangles on each side of it are similar to one another and to the whole triangle.

If two triangles or parallelograms have one angle of the one equal to one angle of the other, their areas are proportional to the areas of the rectangles contained by the sides about the equal angles.

The areas of similar triangles are proportional to the squares on their corresponding sides.

The areas of similar polygons are proportional to the squares on their corresponding sides.

The areas of similar polygons inscribed in circles are proportional to the squares on the radii of the circles.

In equal circles, angles at the centres or angles at the circumferences are proportional to the arcs on which they stand : so also are the sectors.

[NOTE.—It is to be assumed that it is impossible to distinguish between a circle and an inscribed regular polygon of a sufficiently large number of sides, and hence, that each side of the polygon must be taken as coinciding with the corresponding arc.]

In any two circles arcs subtending equal angles at the centre are proportional to the radii of the circles.

If in two circles arcs are cut off proportional to the radii, they subtend equal angles at the centre.

Definition of a radian.

The circumference of a circle is proportional to the radius of the circle.

The areas of sectors of equal angles in different circles are proportional to the squares of the radii.

The area of a circle is proportional to the square of its radius, and is equal to the product of half the circumference and the radius.

[NOTE.—In the above propositions Proofs for commensurable quantities only are required.]

In equal circles, angles at the centres, or angles at the circumferences, are proportional to the arcs on which they stand ; so also are the sectors.

Calculation of  $\pi$  to two places of Decimals.

If the vertical angle of a triangle be bisected by a straight line which cuts the base, the square on this bisector is equal to the difference between the rectangle contained by the sides of the triangle and the rectangle contained by the segments of the base. If from the vertical angle of a triangle a perpendicular be drawn to the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the perpendicular and the diameter of the circle circumscribing the triangle.

The rectangle contained by the diagonals of a quadrilateral inscribed in a circle is equal to the sum of the two rectangles contained by its opposite sides.

To construct a rectilinear figure which shall be similar to one given rectilinear figure and equal to another.

Any two similar rectilinear figures may be so placed that the lines joining corresponding vertices are concurrent.

If a transversal is drawn to cut the sides, or the sides produced, of a triangle the product of three alternate segments is equal to the product of the other three segments.

If three concurrent straight lines are drawn from the angular points of a triangle to meet the opposite sides, then the product of three alternate segments taken in order is equal to the product of the other three segments.

Definition of a plane.

Determination of a plane by two intersecting straight lines, by three points not in the same straight line, or by two parallel straight lines.

The line joining two points, one in each of two intersecting or two parallel lines, lies in the plane containing these lines.

The intersection of two planes is a straight line.

If a line is perpendicular to two straight lines in a plane, then it is perpendicular to every straight line in the plane.

Definition of perpendicular to a plane.

Only one perpendicular can be drawn through any one point to a plane.

If a straight line is perpendicular to three straight lines intersecting in a point, these three straight lines lie in a plane.

If two straight lines are perpendicular to the same plane, they are parallel.

If two straight lines are parallel, and one is perpendicular to a plane, the other is perpendicular to the same plane.

To draw a perpendicular to a plane from a point outside or in the plane.

If two straight lines are parallel to a third straight line, they are parallel to each other.

The projection of a straight line on a plane is a straight line.

The angle between a line and its projection on a plane is smaller than the angle made by that line with any other line in the plane drawn to intersect it.

Definition of the angle between a straight line and a plane.

If a pair of intersecting straight lines are respectively parallel to another pair of intersecting straight lines, the two pairs contain equal angles.

Definition of the angle between two planes.

Definition of parallel planes.

Planes to which the same straight line is perpendicular are parallel.

If a pair of intersecting straight lines are respectively parallel to another pair of intersecting straight lines, the plane containing the first pair is parallel to the plane containing the second pair.

If two parallel planes are cut by a third plane, the lines of intersection are parallel.

If any two straight lines are cut by three or more parallel planes, they are cut proportionally.



If a straight line is perpendicular to a plane, every plane containing it is perpendicular to that plane.

If two intersecting planes are both perpendicular to a third plane, the intersection of the first two is perpendicular to the third plane.

*Trigonometry:*

Definition of and relation between the trigonometrical ratios of any angle.

Connection between the ratios of  $\theta$ ,  $n \cdot 360^\circ + \theta$ ,  $180^\circ + \theta$ ,  $180^\circ - \theta$ ,  $90^\circ + \theta$ ,  $90^\circ - \theta$ , where  $\theta$  is any angle, and  $n$  is an integer.

Ratios of  $A + B$  and  $A - B$  in terms of the ratios of  $A$  and  $B$ .

Graphs of the trigonometrical ratios and of simple combinations of these.

Expressions of  $\sin x \pm \sin y$ ,  $\cos x \pm \cos y$  as products.

Properties of a triangle.

Angles with given trigonometrical ratios.

Solution of triangles.

Calculations of heights and distances (simple cases).

Measurement of angles in radians.

The sine and tangent of a small angle are approximately equal to the number of radians in the angle.

[No questions will be set on the associated circles of a triangle.]

B.

The Committee further recommends:

1. That in all mathematics for the Intermediate Examination 4-figure mathematical tables be used.
2. That in the syllabus of algebra for the Intermediate Examination there be added "Graphical solution of simultaneous simple equations in two variables."

The Report of the M.A. Modern Language Committee was submitted but referred back to the Committee with power to complete the details without further reference to Council.

The following Report of the Survey Committee was submitted:-

The Committee reports that the following persons have passed examinations in Arithmetic, Algebra, Geometry, and Plane Trigonometry, which are in its opinion equivalent to the examination in the Theory of Land Surveying in these subjects:

H. P. Chesney.  
M. A. Coates.  
H. Westergaard.

It was decided to adopt the Report and to require these candidates, should they present themselves for examination, to obtain 30 per cent in each of the remaining papers of the syllabus.

The following examiners were nominated for 1905

(a) The Examiners for 1904.

(b) The following who had submitted applications

Name	Subjects	Examination
H. R. D. Anders, B.A., Ph.D.	English, German, } Philosophy } Maths.	University School & Univ. School
J. Bennett, M.A. W. J. Birch, M.A.	English, Latin } History, with } English }	School School
Rev. W. E. Clarke, M.A. J. M. Crofts, M.A., B.Sc., F.C.S.	Chemistry } Physics }	School University University
J. Hilliam, B.Sc. C. Hofmeyr, B.A.	Physics, Chemistry } English, Dutch } History, Latin }	School Matric } University
A. J. Louw, B.A., B.Sc.	Chemistry } Geology, Maths. }	University
W. A. Macfadyen, M.A., LL.D.	Law, Philosophy } Latin, Greek }	University University
C. A. Organ, B.A. A. W. Roberts	Mathematics } Mathematics }	School Matriculation School
G. M. Robinson, B.A.	Classics } Mathematics }	Matriculation School
C. F. W. Rosenow Rev. J. F. Rumpfitt Elizabeth Sanday, B.Sc.	Arith. Hist. Geog } English, Maths } Botany }	School School Intermediate B.A.
Emil Schmidt J. Sutherland, M.A. David Traill	French, German } Mathematics }	University Intermediate School
H. K. van der Spuy Prof. R. B. Young, M.A., B.Sc.	Hist English } Geology }	Sch. Elementary University

It was decided that further names might be added to the list if applications were received before the end of the year.

The following Report of the Building Committee was submitted and adopted:-

The Committee reports that it has instructed Mr. Babbs, Quantity Surveyor, to submit to the City Engineer for informal approval the detailed plans received from Mr. Hawke and examined by the Committee, and to proceed with the work of estimating quantities in order that tenders may be called for at an early date.

The Committee further reports that it has met a deputation representing the Master Builders and Operative Masons' Societies and has heard their evidence with regard to the qualities and prices of various Colonial Stones. Further evidence is to be supplied in writing.

A letter from the Assistant Under Colonial Secretary was submitted forwarding certain correspondence from the War Office with reference to the granting of Commissions to University candidates and kindred matters. The letter was referred to a committee consisting of Prof. Ritchie, Rev. W. O. Jenkins and Prof. Mackenzie, with power to act.

The Report of the Committee appointed to consider Mr. Gregory's motion with reference to the appointment of a Commission to consider the question of Higher and Technical Education was re-submitted. It was decided to postpone consideration of the Report till next meeting.

The following motion submitted by Prof. Logeman was submitted:

1. By PROFESSOR LOGEMAN:—  
That No. 1 of the Rules of Order and Procedure of the Council be altered in such wise as to secure six ordinary meetings of Council each year.

After discussion it was decided to adopt an amendment to the effect that Council should meet at 10 a.m. on Fridays, resuming at 2 p.m. and again at 10 a.m. on Saturdays on the dates indicated in No. 1 of the Rules of Order and Procedure.

The following motions, of which due notice had been given by Prof. Viljoen were submitted:

That from and after 1905:

- The maximum of marks obtainable in Modern Languages at the Matriculation Examination be raised from 200 to 300, each Section having 100 marks, and that the minimum required be 60;
- In the case of Dutch, at the Matriculation Examination the candidates may be required (under Section B) to write a short composition;
- In Modern Languages at the Intermediate Examination one or two works, or portions of works (prose or poetry) be prescribed for special study.

It was decided after discussion to refer (a) and (b) to the Matriculation Committee and (c) to the Literature Committee.

The following motion, of which due notice had been given by Mr. Frenantle, was submitted and adopted.

That it be required of all candidates from Government Schools in Cape Colony who enter for the School Elementary Examination that they have been in Standard VII. for at least six months.

The following motions which due notice had been given were submitted and adopted:

1. By Dr. Ritchie

(a) That the Council request the Convocation of the University of Oxford to allow a graduate of the University of the Cape of Good Hope in any case where at present he can reckon the term in which he matriculates in the University of Oxford as the fifth term from his matriculation, to have the choice of reckoning it either as the fifth term or as the second term from his matriculation.

(b) That the Council request the Senate of the University of Cambridge to allow a graduate of the University of the Cape of Good Hope in any case where at present he can reckon his first term kept by residence as the fourth term of his residence to have the choice of reckoning it either as the fourth term or as the second term of his residence.

2. BY PROFESSOR BEATTIE.

That, in view of the New Regulation that the Examination in the Theory of Land Surveying can be taken in two parts and that the usual procedure will be to take Part I. at the end of the first year, Part II. at the end of the second year of the customary two-year course for this Examination (a procedure possible for students commencing in 1906 and later years), an Examination for Part I. under the new Regulations be held in 1905 for the benefit of students commencing in 1905, along with the Examination under the old Regulations.

A letter was read from Rev. R. Langford James enquiring whether the University Council intends to promulgate Regulations for the Degree of Doctor of Literature. The letter was referred to the Literature Committee.

A letter was read from the Director of Education of the O.R. Colony submitting certain recommendations with reference to setting alternative papers in Geometry for the School Higher and Matriculation Examinations. It was decided to refer the communications to the Geometry Committee with power to fix dates for the alternative papers if thought advisable by the Committee.

A letter was received enquiring whether the Council had made regulations for the degree of Doctor of Science. The matter to be dealt with by the Science Committee.

Conf. subject to and of  
Pres. Munnik

Buchanan

# University of the Cape of Good Hope.

## QUARTERLY COUNCIL MEETING:

17th February, 1905.

### SECOND NOTICE.

University Offices,  
Huguenot Memorial Buildings,  
Queen Victoria Street, Cape Town,  
14th February, 1905.

The next Quarterly Meeting of the Council will be held on Friday, 17th February, at 10 a.m., resuming if necessary on Saturday, 18th February, at 10 a.m.

### DEGREE DAY.

The Graduation Ceremony will be held in the D. R. Church Synod Hall, Huguenot Memorial Buildings, Queen Victoria Street, on Saturday, February 25th, at 11.30 a.m. (Members of Council are requested to assemble in the Council Chamber at 11.15 a.m.)

W. THOMSON,  
Registrar.

17th and 18th February, 1905

99

A meeting of the University Council was held on the above dates.

Attendance

There were present

The Vice-Chancellor (on the Chair)  
The Pro Vice-Chancellor

Prof. Beattie  
Rev. A.P. Bender  
Sir Bisset Berry  
Rev. Dr. Flint  
Mrs. Fremantle  
Prof. Hahn  
Dr. Gregory  
Rev. W.O. Jenkins  
Rev. Dr. Kolbe  
Prof. Logeman  
Rev. Dr. Macgowan  
Prof. Mackenzie  
Rev. Prof. Marais.

Prof. Martin  
Hon. J.X. Merriman  
Prof. Morrison  
Mr. C.G. Mudie  
Prof. N. Stuck  
Prof. Ritchie  
Rev. J.M. Russell  
Mr. Scarle  
Hon. Sir C. Abercrombie Smith  
Prof. Walker  
Prof. Viljoen  
Mr. Whitton  
Rev. A. Moores.

The Registrar and Assistant Registrar also attended.

Minutes

The Minutes of the previous meeting were read and confirmed.

Alteration of  
minutes

The Vice-Chancellor drew attention to an inaccuracy in the Minutes of the meeting held on September 3rd, and it was resolved to alter these minutes as in the margin. (See page 80).

Congratulations  
to the Registrar

When the Minutes had been read, the Vice-Chancellor said he wished to convey to the Registrar the congratulations of the Council on his having received from the University of Edinburgh the Honorary Degree of Doctor of Laws. Mr. Thomson had early distinguished himself in the University of Edinburgh as a graduate, class tutor and extension lecturer.

Now, after a successful Colonial career, as Professor and as Registrar of the University, it was, he felt sure, a cause of satisfaction to Mr. Thomson himself, and to the Council of the Cape