ANNEXURE B.

MATRICULATION AND CERTIFICATE EXAMINATIONS.

REGULATIONS AS TO DUTIES OF REVISING MODERATOR IN ENGLISH AND DUTCH.

The Revising Moderator appointed to deal with the English and Dutch papers for the Junior and Senior Certificate, and the Matriculation Examinations will receive the questions after they have been passed by the Moderators in English and Dutch respectively.

If possible, it is very desirable that he should consider them before the meeting of examiners at which the draft papers are revised, so that his suggestions may be carried into effect at that meeting.

The duty of the Revising Moderator will be

(1) Mainly to compare each English paper with the corresponding Dutch paper, and to see that the standard of difficulty is approximately equal. If they fail in this respect he will point out where a change is needed.

(2) Further, to consider the question of grading in each language, and in particular to see that the B paper is to a suitable degree easier than the A papers.

(Note - It is often difficult for the Moderator to do this satisfactorily because the papers reach him at different times. The Revising Moderator is more likely to have them all together.)

In suggesting changes the Revising Moderator will communicate with the respective Moderators and not directly with the examiners.

ANNEXURE A.

# PRACTICAL CHEMISTRY EXAMINATIONS.

## A. INSTRUCTIONS TO LABORATORY OFFICERS.

The Laboratory Officer is in the first instance a confidential official of the University and is not to convey any information to candidates, nor to discuss examination matters with them. During the examination itself he is not to assist candidates with their experimental work.

Particulars as to duties.

(1) Water supply. This sometimes runs short, a state of matters which must be avoided as far as possible by arrangement with local authorities. Distilled water must be provided in sufficient quantity for gravimetric and volumetric work.

(2) Gas supply.

(i) Where the Laboratory is supplied with coal gas, it is sometimes advisable to acquaint the Gas Company of the special need of gas of good quality and sufficient pressure during the days of the examination; which should be specified to the Company.

(ii) Where the gas or other heating agent is provided on the premises, it is the duty of the Laboratory Officer to see that the Laboratory Attendant keeps the candidates supplied in such manner that their work suffers from no interruption.

(3) Ice. On all days when preparation work is carried out - Inorganic as well as Organic - an ample supply of ice should be at hand - more than sufficient for the candidates' needs.

(Minimum of ice -

2 lbs. per day for each Intermediate candidate
5 lbs. per day for each B.A. candidate.)

(4) Ordinary acids and other reagents must be at hand in sufficient quantity and of the quality and purity needed by the candidates. They must be tested beforehand by the Laboratory Officer. The sulphuretted hydrogen "Kipps" must be in good working order (one for four students); ordinary and yellow ammonium sulphide, sulphuretted hydrogen water, chlorine water. In addition, special appliances may be required at short notice for generating oxygen, chlorine, sulphurdioxide, hydrogen chloride gas, hydrogen, and nitric oxide.

Paragraph (8) was adopted.

In this connection it was resolved to refer to the Committee of Studies for further consideration and report the question of the interpretation of the amended regulations for the use of Hostels [illegible].

## Examiners and Moderators for 1914.

(9) The Committee reports that it has appointed the following Examiners etc. for the examinations of 1914:

Paragraph (9) was adopted.

## L.A., Part II., Examination.

(10) The Committee recommends

(i) That this Examination be held later in the month of June than at present and commence on such date as will enable it to be completed as nearly as possible by the beginning of the mid-winter vacation.

(ii) That where an Examiner is the teacher of the candidate he shall be required to discontinue his teaching of such candidate at least one month before the commencement of the Examination.

Paragraph (10) was adopted.

## First B.Sc. Examination in Agriculture.

## Examination Regulations.

(11) The Committee recommends that the following regulations be adopted:-

(1) That the practical examinations in Botany and Zoology be held at Cape Town, the usual travelling allowances being made in the case of candidates from other Centres.

(2) That the Commissioners for the practical examinations in Botany and Zoology mark the answers of the candidates.

(3) That the examinations in Physics and Chemistry be held on Monday, Tuesday and Wednesday of the first week and (if there are candidates from centres other than Cape Town and Stellenbosch) the examinations in Botany and Zoology on Monday, Tuesday and Wednesday of the following week so as to allow an interval of four days for the candidates to reach Cape Town.

(4) That the Examiners for September 1914 be as follows:

| | |
|---|---|
| *Physics: | Prof. Malherbe and Mr. H. Pealing |
| Chemistry: | Dr. Tietz and Prof. van der Merwe |
| Botany: | Miss Duthie and -- |
| Zoology: | Prof. Goddard and Mr. Barnard |

*One of the Examiners to be Commissioner for the Practical Examination at Grahamstown and the other for the Examination at Cape Town.

Paragraph (11) was adopted, the vacancy in Botany to be filled up by the Committee.

The Chairman of the Committee added that the following subject had been submitted for a thesis to be offered at the LL.D. examination, viz. "The Law of Succession under the Roman Dutch System of Jurisprudence with special reference to S. Africa" & had been approved by the Law members of the Committee. It was resolved to approve of the subject.

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12. The following Report of the Finance Committee was submitted by Professor Mackenzie, in the absence of the Chairman:

REPORT OF THE FINANCE COMMITTEE.

(Submitted 26th June, 1914)

(Mr Justice Beadle)

(1.) The Committee submits for the information of the Council the accompanying audited Financial Statements for the period 1st January, 1913, to 31st March, 1914. (See ~~Annexure A~~. Printed Statement

N.B. The Committee will at next meeting submit certain recommendations in regard to some of the Scholarship Funds.

Paragraph (1) was noted.

(2.) The Committee submits the following recommendations:-

(i) That the fee payable to the Examiner for setting the papers in Rhodesian Statute Law for the Civil Service Law Examinations be defrayed by the Rhodesian Government.

(ii) That a portrait of the ex Vice-Chancellor (Professor Walker) be obtained, the portrait to be of a similar nature to that of his predecessor in office.

(iii) That the fee for the auditor be increased from £20 to £25 in view of the fact that the audit covers a period of 15 instead of 12 months.

(iv) That the fee for the Revising Moderator (English and Dutch) for the Matriculation and Certificate Examinations be £1 per paper.

N.B. The Committee desires to draw attention to the fact that this appointment, involving an increase in expenditure, was made by the Council without reference to the Committee.

(v) That in the case of candidates allowed to take certain B.A. Pass papers for purposes of the T.1. certificate the registration fee be £1. 10. 0 per subject per examination.

N.B. Under the amended regulations candidates can take the selected subjects in different years, the minimum number of subjects that can be taken being three, and the maximum four.

Paragraph (2) was adopted, with the omission of all words after "be obtained" in clause (ii). In this connection it was resolved that the style of the portrait to be obtained be left in the hands of the Finance Committee with power to act.

13. The following Report of the Joint Committee of Studies and Finance Committee, submitted by Professor Notcutt, was adopted.

COMMITTEE OF STUDIES AND FINANCE JOINT REPORT

RE EXHIBITIONS AT B.A. PASS EXAMINATION.

(Submitted 26th June, 1914)

(Professor Notcutt)

The Committee recommends that the regulations for Exhibitions at the B.A. Pass Examination in and after 1915 be as follows, and

B.A. Pass Examination.

| | |
|---|---|
| Greek III. | Professor Paterson |
| | Professor Petrie (Moderator) |
| Dutch I. | Professor Joubert |
| App. Mathematics I & II. | Professor W.H.Logeman. |
| Botany I. | (Mr. Pole Evans<br>(Professor Potts |
| | Professor Schönland (Moderator). |
| Botany II. | (Mr. Pole Evans<br>(Professor Schönland |
| | Professor Potts (Moderator) |
| Practical Botany | Miss Stephens |

B.A. Honours Examination.

| | |
|---|---|
| Greek I. | Professor Paterson |
| Greek III. | Professor Petrie |
| Dutch I | Professor W. S. Logeman |
| | Prof. Besselaar (Moderator) |
| French I & II. | Mr. K. A. H. Houghton |
| German III. | Professor Malherbe |
| | Dr. Viljoen (Moderator) |
| History III | Mr. J. L. W. Stock |
| Mathematics III. | Professor Brown |
| | Professor Morrison (Moderator) |
| Mathematics IV | Professor Brown |
| | Professor du Toit (Moderator) |
| Applied Mathematics (Dynamics of a Particle and Theory of Attractions ) | Professor Brown |
| (Rigid Dynamics and Wave Motion) | Professor Morrison |
| Geology I & II. | Dr. L.C.de Villiers (Moderator) |
| Botany I | Miss Stephens |
| Botany II | Miss Stephens (Moderator) |
| Botany III | Miss Stephens |
| Practical Botany | Miss Stephens. |

that such regulations be in force for a period of two years, pending further experience of their working:

Regulations.

(1) The value of the Exhibitions to be £40 tenable for one year and the maximum number of Exhibitions to be 15.

(2) No candidate to be eligible for an Exhibition unless:-

(i) Either (a) his parents or guardians are domiciled in, or (b) he has during the two years preceding the examination prosecuted his studies in, the Union of South Africa.

(ii) He is under twenty-one years of age on the first day of January preceding the examination.

(iii) He has passed the Matriculation and the Intermediate Examinations of this University.

(iv) He is qualified to proceed in the following year to the B.A. Honours Examination in the department in which his Exhibition has been awarded, or in such other department as he may select subject to the approval of the Council.

(v) He obtains an aggregate of not less than 50% in the examination as a whole and not less than 66 2/3 % in the department to be professed for Honours, these percentages in the case of Departments V and VI to be reckoned on the basis of a maximum of 700 and not 600 marks.

(3) Subject to the above restrictions, the Exhibition in each Department to be awarded to the eligible candidate who stands highest in the department.

(4) If the number of departments in which there are eligible candidates be less than 10, a second Exhibition may be awarded in one or more of such departments subject to the proviso that in this case the total number of Exhibitions awarded shall not exceed 10.

(5) The Exhibitions to be awarded by the Council on the report of the Scholarships Committee.

14. The following Report of the Special Committee on the Dates of Council Meetings, presented by Professor Schlesinger, was adopted.

REPORT OF COMMITTEE (SPECIAL) ON DATES OF COUNCIL MEETINGS.

(Submitted 26th June, 1914)

(Professor Beattie)

The Committee recommends

I. That in paragraph 1 of the Rules of Order and Procedure of the Council (Calendar p. 40) the word "Fridays" be substituted for the word "Mondays".

II. That the dates of the Council meetings for the remainder of the period 1914-15 be as follows:

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| | | 1914 | 1915 |
|---|---|---|---|
| February | Friday | . | 12th |
| April | Friday | . | 9th |
| June | Friday | . | 25th |
| September | Friday | 25th | 24th |
| November | Friday | 6th | 5th |

15. It was resolved that the Report of the Special Committee appointed to consider the B.A. Economics Syllabus should be referred, when completed, to the Literature Committee for report.

16. It was agreed to grant the request in the following letter.

Letter from E. J. Tromp. (14.5.14)

Could you kindly let me know whether I should be able to leave Cambridge next year in June after my examinations? I shall then have written for my Tripos and L.B., Part II, examinations, and it would be unfortunate to remain at Cambridge for Part III of the medical examination, as the professors usually advise students to proceed to London or elsewhere, after they have passed Part II, on account of the inadequate arrangements at the hospital here.

In such a case you only study at some other medical school, but when you do your examinations, you do Cambridge examinations and obtain Cambridge degrees. In case I should be able to leave Cambridge then, I should very likely study for some time in London and also in some German University.

If I had to stay and continue my studies at Cambridge after Part II of my medical examination, I would be severely handicapped and it would mean almost the loss of a year.

I am enquiring some time in advance in order to know how best to arrange matters in case I should be able to go.

17. With reference to the following letter it was resolved that the number of representatives could not be increased.

Letter from Secretary of O.F.S. Teachers' Association (5.5.14)

Door het Hoofdbestuur van de O.V.S. Onderwijzersvereniging is mij opgedragen te verzoeken, dat toegestaan zal worden, dat deze Vereniging zich in het vervolg in de eksamenkommissie van de Kaapse Universiteit zal kunnen doen vertegenwoordigen door twee afgevaardigden, op grond dat deze vereniging, in tegenstelling met die van de Kaapkolonie en de Transvaal een geamalgameerde is van Hollands en Engelsprekende onderwijzers.

15. It was resolved that in view of the existing regulations the request in the following letter could not be granted.

Letter from Principal, Marist Brothers' College, Uitenhage (11.5.14)

I am writing you on behalf of my College and also for the benefit of other educational institutions, to request that you grant us a centre for the Intermediate Examination in Uitenhage.

I shall have three candidates and three more are promised from another institution. These six candidates are quite willing to defray the necessary extra charges.

We approached you two years ago, but could not succeed in having Uitenhage recognised, as it was too late. I am now again trying to see if it be at all possible to secure the favour.

Should you be disposed to entertain my proposal, I shall be willing to place the College Public Hall at your disposal for the written part of the examination and our Chemical Laboratory will be at the service of the candidates who may require it for practical work.

16. It was resolved to refer the following letter to the Committee of Studies with power to act, after the views of the other colleges had been obtained on the proposal.

Letter from Registrar, Rhodes University College, Grahamstown. (12.6.14)

I am directed by my Senate to request that steps may be taken with a view to the Intermediate Examinations being commenced a week earlier than last year. It is found that the interval elapsing between the beginning of the vacation and the commencement of the examinations and the period extending to so near Christmas keeps the students hanging about, and it is considered detrimental to their examination work.

Fred Blake Memorial Prize

17. With reference to the attached letter from Inspector Treasure it was resolved to accept and administer the fund for purposes of the "Fred Blake Memorial Prize for Boy Cub" on the terms specified.

18. The attached letter from Mr. H. Wright was referred to the Committee of Studies with power to act.

19. The following Informations submitted by the Registrar was recorded:

## (a) REGISTRAR'S MEMORANDUM.

The following table shows the number of candidates for the M.A., June Law and Music (written) examinations of 1914 with the corresponding figures for 1913:

| | | 1914 | 1913. |
|---|---|---|---|
| M.A. Examinations | | 4 | 7 |
| June Law Examinations: | | | |
| Law Certificate Pt.I. | Cape | 22 | 16 |
| | O.F.S. | 6 | 9 |
| | Transvaal | 9 | 10 |
| | Natal | 1 | 4 |
| Pt.II. | Cape | 9 | 8 |
| | O.F.S. | 2 | 1 |
| | Transvaal | 7 | - |
| | Natal | - | - |
| | Rhodesia | 1 | 2 |
| | Swaziland | - | 1 |
| C.S. Lower Law Pt. I. | Cape | 8 | 3 |
| | O.F.S. | - | - |
| | Transvaal | 5 | 12 |
| | Natal | 10 | 5 |
| | Rhodesia | 18 | 22 |
| | Bechuanaland | 2 | - |
| | Swaziland | 1 | 2 |
| | Basutoland | - | 5 |
| Pt. II. | Cape | - | 1 |
| | O.F.S. | - | 1 |
| | Transvaal | 2 | 2 |
| | Natal | 6 | 1 |
| | Rhodesia | 6 | 3 |
| | Basutoland | 1 | 1 |
| | Swaziland | - | 1 |
| | | 116 | 110 |
| Music Examinations: | | | |
| Preliminary | | 1689 | 1621 |
| Harmony | | 1097 | 1067 |
| Counterpoint | | 33 | 35 |
| Licentiate, Part I- | Pianoforte | 64 | 46 |
| | Violin | 2 | 1 |
| | Singing | 1 | 1 |
| | | 2886 | 2771. |

25/9/14

W. Ritchie

25th and 26th September, 1910.

1. An ordinary meeting of the Council was held on the above dates.

2. The following members were present :-

Professor Ritchie (Vice Chancellor) in the chair.

| | | |
|---|---|---|
| Professor Bonitta | Professor Macfadyen | Professor Penrose [1] |
| Sir Mackay Brock [2] | Professor Mackenzie | Dr. Perold |
| Rev. Mr. Bender | Rev. Dr. Kolbe | Rev. Mr. Russell |
| Sir John Buchanan [2] | Rev. Mr. Mafeon [2] | Professor Schönland |
| Rev. Dr. Elliot | Professor Marsh | Professor Wallace |
| Mr. Fleurantin [2] | Professor Morrison [2] | Mr. Whitten |
| Professor Hoskin | Professor Morrison | Professor Wolstan |
| Rev. Canon Jenkins [2] | Professor Nitrett | ([2] 25th instant only) |

The Registrar and Assistant Registrar were also present.

3. The minutes of the last meeting, which had been previously circulated among the members, were taken as read and were confirmed.

4. The Vice Chancellor referred to the loss sustained by the University by the death of Lord de Villiers who was a member of Council until 1901, and it was resolved to send a letter of condolence to Lady de Villiers.

5. The Vice Chancellor moved as an unopposed motion

That the following* letter from the Registrar of the S. African College, together with Paragraph II of the Report of the Vice Chancellor's Committee (item 4) and letters* received from College Senates on the subject of examination dates, be referred to the following committee for report to the present meeting of Council viz. Professors Bonitta, Macfadyen, Mackenzie, Schönland, Wolstan and the mover.

The motion was agreed to.

6. Leave of absence from the meeting was granted to Mr. Adamson, Sir Albert Kearny, Dr. Bryan, Dr. Campbell, Dr. Myslop, Dr. Juritz, Professor Kirsten, Mr. Martin, Sir C. A. Smith, Dr. Wilson, Sir John Wessels.

7. It was resolved to confirm the following resolution adopted at last meeting:

'That Mechanics be included in Group IV of the Senior Certificate Examination as an alternative to Physical Science; Practical Mathematics in Group V as an alternative to Mathematics and Geometrical Drawing in Group V as an alternative to Drawing':

and to refer the question of the acceptance of Practical Mathematics in the case of candidates proceeding to the B.Sc. and Survey Examinations to the Committee of Studies for consideration and report."

8. It was resolved to refer to the Committee of Studies for report the draft syllabuses in Mechanics, Practical Mathematics and Geometrical Drawing for the above examination (together with the attached comments received from members of the School Examinations Committee.)

9. Paragraph I. of the following Report of the Vice Chancellor's Committee, submitted by the Vice Chancellor, was adopted:

REPORT OF THE VICE-CHANCELLOR'S COMMITTEE.

(Submitted 25th September, 1914)

The Vice-Chancellor.

I. The Committee reports that it has dealt with the following as matters of urgency:

(a) B.A. Honours English III Paper, 1914.

It approved of the undermentioned prescribed works for the III English paper for the B.A. Honours Examination in 1914, viz:

Dryden - Essay of Dramatic Poesy
Addison and Steele - De Coverley Essays (Clar.Press)
Reade - The Cloister and the Hearth
Milton - Samson Agonistes.

(N.B. The above were selected on the usual lines from the works prescribed for the I & II papers.)

(b) Annual Meeting of Music Committee.

It decided that in the circumstances of the country Assessor Members should not be summoned to the annual meeting of the Music Committee held during the current month.

(c) I B.Sc. Examination in Agriculture.

(i) It approved as an emergency measure of the suspension of the ordinary rules as to centres etc. for the September practical examinations and made special arrangements for the conduct of the examinations outside Cape Town.

(ii) It decided, at the request of medical students prevented by Defence Force duties from sitting for the September examination, to hold a supplementary examination commencing on 5th October at Cape Town and arranged for this examination to be conducted at reduced cost in order to limit any additional expenditure involved to the lowest possible figure.

(Note: This matter was referred to the Finance Committee by direction of the Vice-Chancellor and the Committee expressed concurrence in the proposed action.)

II. November and December Examinations.

See item 21

(a) The Committee issued on 31st August the following notice in reference to the November and December examinations:

"All the University Examinations at the end of this year will be held as usual, but it may be found advisable in some cases to fix later dates than those advertised, in which event due notice will be given. If necessary, provision will also be made to meet the special circumstances which have arisen this year either by holding supplementary examinations or otherwise".

(b) In connection with the foregoing the Committee subsequently resolved to recommend to the Council

Syllabus.

I. General survey of the Western European Powers at the close of the 16th century.

II. Constitutional and political development of the Netherlands in the 17th century. The Netherlands as a Colonial Power. Dutch West and East India Companies. Foundation and early development of Cape Colony. Constitutional and Political development of England in the 17th century. Beginnings of English Colonisation in America. East India Company. Relations of England and Netherlands during the 17th century.

III. Rise of France in the 17th century. Richelieu. Mazarin. Colbert. Louis XIV with especial reference to his religious policy. Louis XIV and William III.

IV. Anglo Bourbon rivalry up to 1763 in North America and India. War of American Independence. Influence on British Colonial Policy. Decline of Netherlands and East India Company. Influence on the Cape.

V. French Revolution and Napoleon. Influence of Revolutionary and Napoleonic Wars on Colonial affairs with special reference to India and the Cape. Early British administration in South Africa. Development of British Colonial Policy in the direction of colonial self-government and federation.

South African College,

Cape Town,

24th September, 1914.

The Registrar,

University of the Cape of Good Hope.

Dear Sir,

In view of the recent Government notice calling for volunteers for Active Military Service, I am directed by the Senate of the S.A. College to submit to you the following suggestions with the request from Senate that you submit same to the University Council at its next meeting, with a strong recommendation from the College for their adoption.

The Senate is aware that the notice given is very short, but it trusts that in view of the urgency of the matter you will be able to submit it at the University Council Meeting on Friday, 25th Inst.

1. That Intermediate Students who volunteer for active service be allowed to proceed in due course to their B.A. Examinations without passing the Intermediate Examination, provided the University Council is satisfied of their fitness to proceed.

2. That similar regulations apply to those Examinations, which, like the Intermediate, are preparatory to a degree or diploma.

3. That to meet the case of students who are about to sit final examinations, the University Council announce its willingness to hold supplementary examinations at times to be arranged for the convenience of students.

4. That time served be deducted from the age of candidates for scholarships.

5. That University Scholarships and Exhibitions held by students who volunteer for active service be held in suspense till the student resumes his course.

(Sgd.) A.D.R. Tugwell,

Registrar.

REPLIES FROM COLLEGES ETC. AS TO PROPOSED EXAMINATION DATES.

(To be laid on the table.)

(1) Telegram from Transvaal Education Department, dated 22.9.14.

Appears this department postponement Matriculation and Senior Certificate Examinations will cause great inconvenience and gain will be quite incommensurate.

(2) Letter from Grey University College, dated 22.9.14.

I am desired to inform you that the Council and the Senate of the Grey University College have passed the following resolutions in the matter of the proposed alteration of the scheduled dates:

1. The postponement of the dates of the examinations would be extremely inconvenient and expensive for this College.
2. The authorities of the Grey University College suggest that either a supplementary examination (perhaps in part oral) be held for those on active service or a certificate from their College based upon the internal examinations and other work be accepted by the University.
3. If a supplementary examination is decided upon, members of the Staff of the Grey University College would be prepared to assist the University in keeping down expenses by doing their share of such an examination gratuitously.

I am further directed to request you to submit this letter to the University Council at its next meeting when the above matter is brought forward for discussion.

(3) Letter from Huguenot College, Wellington dated 22.9.14.

We have received the memorandum in regard to the change of Examinations and are sorry to see that they will probably be so late but understand that there is a good reason for it.

(4) Suggestions from Victoria College, Stellenbosch.

The College Council approves of the general principle and makes the following suggestions:

1. With regard to the School and Lower University Examinations no opinion is expressed.
2. With regard to the B.A. Pass (Written and Practical) it is suggested that the Practical Examinations start on 30 November instead of 4 December; that the Written Examinations start four days earlier than the 17 December.
3. That the B.A. Honours (Written and Practical) be re-adjusted in accordance with the dates fixed for the B.A. Pass.
4. That the Intermediate Examination commence on 17 December instead of 21 December.

# I. MECHANICS.

Composition and resolution of forces acting at a point. Parallel forces, moments, and couples. Simple machines for lifting, etc. Laws of friction. Elasticity - Hooke's Law. Laws of motion. Composition and resolution of velocities and accelerations. Momentum. Gravity. Work, energy; conservation of energy; energy in relation to simple machines. Uniform circular motion and centripetal force. Principles of hydrostatics. Theory of elementary hydraulic machines. Relation between volume and pressure in gases. Atmospheric pressure and its relation to a vacuum.

(Comment by Mr. Macdonald: Should not "stable, unstable and neutral equilibrium" be added to the syllabus?)

## II. PRACTICAL MATHEMATICS.

### First Paper.

**Mensuration.**

The Metric System. Abbreviated methods of numerical calculation. Errors and degree of approximation. Theory and use of slide rule. Areas, volumes and weights of the right circular cylinder, of right prisms on triangular, rectangular and regular hexagonal bases, and of solids compounded of the above. Use of squared paper. Areas of irregular figures by mid-ordinates.

**Algebra.**

Addition, subtraction, multiplication, division, involution and evolution. Resolution into factors; H.C.F. and L.C.M. Fractions. Equations of the 1st degree in one and in two variables. Equations of the 2nd degree in one variable. Easy problems. Ratio and Proportion for commensurable quantities. Elementary indices, including the theory and use of four-figure logs to base 10. Graphs of easy algebraic functions. Solution of equations by graphic methods. The equation of the straight line. The deduction of algebraic laws from plotted results of experiments.

### Second Paper.

**Geometry.**

Practical geometry as in Matriculation syllabus, Schedule A.

Theoretical geometry as in Matriculation syllabus, Schedule A, Section A, with in addition the theorems on Proportion (excluding the last) in Section B.

**Trigonometry.**

Angles and their measurement, including circular measure. Definition of the trigonometrical functions and construction of their graphs by actual measurement of the ratios for successive angles. Use of trigonometrical tables. Problems in heights and distances. Relations between the trigonometrical functions. Simplifications and transformations of expressions involving trigonometrical functions of a single angle. Sine and tangent of a small angle.

The slope of a curve at a point with simple applications.

**Vectors.**

The meaning of scalar and vector quantities. Addition and subtraction of vectors. The two kinds of vector products.

((a) Comment by Mr. Storey for Mr. Macdonald: Exercises with a simple theodolite, sextant, plane table and exercises in elementary surveying should be included and might be substituted for Geometry Schedule B.)

((b) Comment by Professor Crawford for Professor Clarke.

1. The syllabus in Practical Mathematics is supposed to make that subject an alternative offering work approximately equal to that offered in the ordinary Mathematics.

2. This is approximately the case in the first paper, but not in the second. The second paper contains much more than the corresponding paper in ordinary Mathematics.

It is true that a large amount of the Geometry in the syllabus of ordinary Mathematics is deleted; this work is not, however, difficult to the student who has done Schedule B, Section A. The work added, in place of this Geometry, is more advanced work in Trigonometry, which is a new subject to a candidate at this stage, including undefined "heights and distances", "identities" and "circular measure", and new work on "the slope of a curve" and "Vectors". I am sure that this will take far more time than the Geometry which has been taken out, even if they are done in a superficial measure.

3. The idea of Practical Mathematics is to allow a student to get further on in Mathematics, by dropping some of the more theoretical parts of the subject and allowing him to make various assumptions in the course of the work: here, however, the choice of subjects is not always good.

The two last propositions in Schedule B, Section B on Areas will be required by a student later in Trigonometry and others of the propositions on the circle and triangle are results he ought to know; on the other hand "simplifications and transformations etc.", i.e. "identities", are just the kind of algebraic drill which should be cut out in making a course of Practical Mathematics.

4. The Senior Certificate with ordinary Mathematics may be taken as an Entrance Examination to the Mining, Survey, and Agriculture Courses of the University: I do not know if it is proposed to allow Practical Mathematics here in place of ordinary Mathematics.

5. If Practical Mathematics is to be introduced, it should be brought in at an earlier stage, say in the Junior Certificate; as an alternative.

## III. GEOMETRICAL DRAWING.

The use and testing of the various instruments used in drawing work; testing and correction of squares; precision exercises, division of lines; scales; construction of angles by means of a table of chords; circles and tangents; construction of geometrical patterns and plane figures from given data; the ellipse and parabola with their tangents and normals; simple loci; rectangular co-ordinates; areas by mid-ordinate method.

The position of points in space as defined by their distance from three co-ordinate planes; the representation of points and lines in pictorial view; definitions of the terms used in solid geometry; the projections, inclinations, and true lengths of lines; projections and true shapes of plane figures; the traces of planes; the commoner solids; the projections on two coordinate planes of rectangular solids; pyramids, prisms; true shapes of sections made by vertical planes; development of these solids; construction of paper models of these solids; projection of cones and cylinders when their axes are parallel to the coordinate planes.

Sketching of simple rectangular objects such as tables, instrument cases, etc., in pictorial view; elementary printing of titles.

In all the above work dimensions should be inserted and problems drawn to a large scale; neatness and accuracy of draughtmanship will be insisted on.

(Comment by Mr. Burt for Mr. Macdonald: The following should be substituted for the section dealing with solid geometry viz:

1. Elementary projections of points, lines, planes, inclined surfaces, and solids, including the cylinder, cone, and sphere. Simple sections. Projection of additional plans and elevations.

2. Isometric or oblique projection, without using "isometric scale", of simple plane surfaces and solids.

3. Developments of the surfaces of simple solids; elementary problems in interpenetration of prisms, cylinders and cones, and developments of penetrated surfaces.

Paragraph (2) he considers of special importance

(1) That it is inadvisable to duplicate the examinations.

(2) That with a view to meeting the case of students temporarily called out on Defence Force duty the time-table for the November and December Examinations be moved forward as under:

| | Original date | Proposed date | Approximate date of conclusion |
|---|---|---|---|
| Matric. & Sen. & Jun. Certificate | 4 Dec. | 14 Dec. | 24 Dec. |
| Law Certificate, C.S.Law, LL.B., B.D. | 7 Dec. | 14 Dec. | 21 Dec. |
| B.A. Pass Practicals) Written ) | 23 Nov. | ( 4 Dec. (17 Dec. | 15 Dec. 7 Jan. |
| B.A. Honours Practicals) ) Written ) | 26 Dec. | (As convenient between 17 Dec. & 7 Jan.) 8 Jan. | 12 Jan. |
| Intermediate & all other Exams. | 7 Dec. | 21 Dec. | 5 Jan. |

16. The following Report of the Special Examinations Committee, [illegible] of the Vice Chancellor, was adopted.

REPORT OF THE (SPECIAL) EXAMINATIONS COMMITTEE.

(Submitted 25th September, 1914)

The Vice-Chancellor.

I. The Committee reports that it met on 25th July and authorised the publication of the M.A. Part II and June Law Certificate and C.S. Lower Law Examination lists.

II. The percentage of passes and failures in these examinations was as follows:

M.A. Part II.

| | Passed | Failed | Percentage of Passes |
|---|---|---|---|
| Dept. III | 1 | 0 | 100.0 |
| Dept. VI B | 2 | 0 | 100.0 |
| Dept. VI E | 1 | 0 | 100.0 |
| Law Certificate | | | |
| Part I | 14 | 23 | 37.8 |
| Part II | 14 | 5 | 73.7 |
| C.S. Lower Law | | | |
| Part I | 19 | 22 | 46.3 |
| Part II | 11 | 4 | 73.3 |

11. The following Report of the Admissions Committee, submitted by the Vice Chancellor in the absence of the Chairman, was adopted:

REPORT OF THE ADMISSIONS COMMITTEE.

(Submitted 25th September, 1914)

Professor Marais.

I. The Committee reports that it has approved in terms of the regulations of the following applications for admission ad eundem statum, subject to the conditions stated, if any:

A. To proceed to the Intermediate Examination in Arts

1. Anderson, Gerald Frank (a) (b)
2. Carpmael, Annie
3. Davies, Rev. David, B.D. (c)
4. Hogsett, Norah (b)
5. Ludwick, George Clifton
6. Moffat, Elspeth Bruce (a)
7. Pope, John Evans (d)
8. Scholfield, Alfred (a)
9. Senior, Charles E. (b)
10. Shorto, Joan (c)
11. Wansbrough, Ivon Saunders (b) (c)

B. To proceed to the II B.Sc. Examination in Agriculture

12. George, Ernest, L.A. Cape

(a) Latin to be taken
(b) History or Greek to be taken
(c) Science subject to be taken
(d) Two subjects to be taken from History, Greek, Dutch or modern language.

12. The following Report of the Music Committee, submitted by Professor Mackenzie, was adopted:

REPORT OF THE MUSIC COMMITTEE.

(Submitted 25th September, 1914)

Professor Mackenzie

I. The Committee reports

(a) that the Music Scholarship of £150 for three years has been awarded to Harry Cantor (Private Study, Johannesburg).

(b) that five Music Exhibitions of £25 each have been provisionally awarded to

Judith Helena du Preez (Academy of Music, Worcester) Pianoforte
Audrey Violet Goldstein (Conservatoire of Music, Johannesburg) Pianoforte
Bertha Agusta Hey (Training College, Grahamstown) Singing
Dorothy Lilian Smyth (Girls' School, Observatory) Pianoforte
Gordon Henry Webster (Kingswood College, Grahamstown) Pianoforte.

Proxime accesserunt:

Phyllis Dora Blaine (Conservatoire of Music, Johannesburg) Singing
Margaret Cecilia Herford Bewer (Training College, Grahamstown) Pianoforte
Leonore Schumann Smuts (Conservatorium, Stellenbosch) Organ
Rosaline van der Tyver (Girls' High School, Robertson) Pianoforte.

(c) that the summaries of ..10 each have been provisionally allocated and that the final amount will be reported at the next meeting after it has been ascertained that the conditions of the award are satisfied in each case.

II. In connection with the foregoing awards the Committee reports

(a) Music Scholarship 1914.

That in view of the terms of the examiners' report (see below) it decided to submit through the Finance Committee a recommendation that an additional scholarship be awarded to Julia Carmel.

Report of Examiners.

"We beg leave to report that we have examined 5 pianoforte candidates and 2 violin candidates. We are unanimously of opinion that the two violin candidates are of quite exceptional merit, and we have had much difficulty in gauging their respective merits that we venture to hope that they may both be awarded scholarships. If that is impossible, and if the scholarship cannot be divided, we recommend that Harry Canter, who is already 16, should have the scholarship in preference to Julia Carmel who is not yet 15."

(b) Exhibitions.

That no candidate be eligible for an exhibition in future who has not reached the age of 14 years by the 1st July in the year of examination.

III. The Committee recommends the appointment of Mr. G.H.Wilby, A.R.A.M. as an assessor member in place of the late Mr. Gold.

IV. The Committee has appointed a sub-committee to prepare detailed recommendations for the institution of examinations for the degree of Bachelor of Music and will report further at a later date.

V. The Committee recommends that no late entries for the practical examinations be accepted after the arrival of the Board of Examiners.

VI. The Committee recommends the following alterations in the Matriculation Examination regulations:

(a) Branch A. Pianoforte (syllabus p. 45) the marks for Method of practising to be 25, ... detection of inaccuracies 15, form, modulation etc. 15, fingering 15, sight reading 15.

Violin (syllabus p. 46) the words "(ear test)" to be added at the end of Regulation 11b (b).

(b) Branch D. All candidates to be required to play at least one piece from memory.

The following Report of the Finance Committee was submitted by Dr Porter:

REPORT OF THE FINANCE COMMITTEE.

(Submitted 25th September, 1914)

Mr. Flint, for Chairman.

I. The Committee submits for the information of the Council the

usual Unaudited Abstract of Receipts and Expenditure for the first quarter of the current financial year with the corresponding figures for 1st April - 30th June, 1915. (See Annexure A.)

Paragraph I was noted.

II. The Committee submits the following recommendations

(a) that the subsistance allowance to students required to proceed to another centre for examination (see Calendar p. 47.G) be increased from 5/- to 10/- (i.e. if the distance to be travelled to reach the centre exceeds 50 miles).

(b) that the honorarium paid to local Representatives at College centres be payable one third in June and two thirds in December so as to enable them to meet incidental expenses necessarily incurred in the discharge of their duties.

Clauses (a) and (b) of Par. II were adopted.

(c) that the maximum fee payable by "Il" candidates taking L.A. papers in any one year be not greater than the full L.A. Pass fee of £4.10/-.

In connection with clause (c) of Par. II the Chairman drew attention to paragraph II (a) of the Registrars Memorandum (item 33) and it was resolved that the fee be fixed at £1 for each Literature subject, and £1.10/- for each Science subject, with no reduction in case of re-registration.

III. The Committee reports as follows with reference to the undermentioned matters:

(a) Proposed additional Music Scholarship.

The Committee resolved that it does not feel justified in the present circumstances of the country in endorsing the recommendation of the Music Committee that an additional scholarship be awarded this year, but considers that the matter might be left open for further consideration at a later date should the Council think fit.

Clause (a) of Par. III was referred back to the Committee for further report to the April meeting of Council, after full consideration of the financial position of the University at that date.

(b) Detention of Music Examiners in South Africa.

In view of the detention of the music examiners in South Africa owing to the cancellation of the mail steamers on September 5th and 12th the Committee authorised the continuance of their subsistence allowance of £1 p.d. up to the date on which they were able to find a homeward steamer, viz. 14th September. The additional expenditure involved was £36.

(c) Examination Pianoforte Music.

The Committee has revised the prices of the volumes so as to provide a more ample margin to cover possible loss in the publication of the examination music for 1915.

(d) Municipal valuation of part of University Buildings.

The Committee recommends for acceptance a proposal by the Municipality that the ratable value of the offices in the University Buildings let to the British Medical Association and the Colonial Medical Council be assessed at the nominal sum of ten times the annual rental, i.e. at £1100.

(e) Medical Council Office.

In connection with a letter from the Colonial Medical Council asking for a temporary reduction of the rental of its office in consequence of a request from Government that it should arrange to carry on its functions without assistance from the public funds, the Committee recommends that the rental be reduced from £50 to £25 p.a., from 1st October for so long a period as the Government grant may be withheld from the Council.

(c) In connection with an enquiry from the tenant of No. 4 University Street as to the possible sale of the property to him, the Committee recommend that the Council should intimate that it does not propose to dispose of the property.

Clauses (A) [1] (A) (a) and (b) of Rule III were adopted

IV. The Committee reports that it has made a careful investigation into the present condition of the various Scholarship funds and has drawn up a full report on the subject which is available for reference if required; and as a result of its investigations it submits the following recommendations:

1. (A) That all original obligations arising from Scholarship Funds (whether by way of legacy or gift or grant) be safeguarded by gilt-edged securities, and that the present distribution of investments in mortgage bonds be readjusted so as to carry out this principle as far as practicable.

Clause 1 (A) of Rule III was adopted.

(B) That a reserve scholarship fund be created for the purpose of meeting deficiencies arising from depreciation of securities or like causes, and that all surpluses which may accrue from time to time on any Scholarship Fund, and as to which no "original obligation" exists be placed to the credit of this fund, and be dealt with as may be determined by the Council from time to time for the purpose of Scholarships.

Further, that the sum of £723 which has accrued as the result of savings and accumulated interest in connection with the Annual Government grant for Queen Victoria Scholarships be utilised as the nucleus of this Reserve Fund: the annual disbursements on account of scholarships being fully covered by the annual grants.

*( Note: In the case of the Jamison and the Maynard Endowments all surpluses have to be added to capital or used for additional scholarships.)

Clause 1 (B) of Rule III was referred back to the Committee for legal advice to be taken as to the legality of the proposed use of surpluses.

(C) (i) That a balance of £200 Municipal stock purchased out of the recent Government loan of £12,000 (being a surplus arising from the purchase of stock below par) be placed to the credit of the General Fund, in view of the fact that the General Fund is responsible for the interest on the loan referred to.

(ii) That the uninvested surplus of £189 on the Currie Scholarship Fund should also be placed to the credit of the General Fund, as a set off to the deficiency on the Building Fund which had to be met by the General Fund. The Scholarship was founded by the University out of the Currie gift to the Building Fund and the capital is sufficient to provide for the annual requirements of the Scholarship without this incidental surplus.

Clause 1 (C) of Rule III was adopted.

2. Tables are appended showing (A) the present distribution of investments, and (B) a proposed scheme of re-distribution to take place at the end of the current year in terms of the foregoing paragraph.

On reference to Table 1 (columns 3 and 4) it will be seen that at the end of 1914 the available gilt-edged securities will still fall short of the gross original endowments (£49,399) by £2,699, of which £87 will consist of small uninvested balances on 8 funds and £2,614 will be invested in bonds. Of the bonds (a) £1650 consist of bonds of £300 (6%) and £1300 (5%) on farm properties (Stryconi's and Taute's) which, being well covered

and bringing in a good return, may be safely regarded as suitable investments, for the present: (b) £900 stand against the Grey Memorial Fund. This Fund originated in a grant of £3,500 by Parliament, to which have since been added savings and accumulated interest amounting to over £900, and is therefore satisfactorily safeguarded. The amount of the bonds will moreover be gradually reduced by exchange from time to time for stock purchased out of the savings on the proposed reserve fund.
(c) a small amount of £64 will be left standing against the Crole Fund as a temporary measure.

Clause 2 of Par. IV was adopted.

3. The Committee is satisfied that under the scheme set forth in Table B very little variation will result in the income derived from the various Funds: but in the two following cases it recommends a reduction in the present value of the prizes: viz. (a) the Cornwall and York Prize, the biennial income of which is £46, as against a corresponding biennial requirement of £56, and which should accordingly be reduced in value from £50 to £40: and (b) the Queen Victoria Memorial Exhibition for Girls, for which an annual income of £32 will be available, and which should accordingly be reduced in value from £50 to £30. (This proposed reduction has nothing to do with the depreciation of bond securities, but the donors overestimated the annual income which could be permanently derived from their gift if invested in first class securities.)

Clause 3 of Par. IV was adopted.

14. The following Report of the Committee of Studies was submitted by Professor Notcutt:

REPORT OF THE COMMITTEE OF STUDIES.

(Submitted 25th September, 1914)

Professor Notcutt.

332a Annex A Gen. Fund

I. The Committee reports in connection with the 1914 examinations (a) that it has approved of the appointments shown in Annexure A, and (b) that it recommends the appointment of the list of sub-examiners for the Matriculation and Certificate Examinations given in the same Annexure.

Par. I was adopted with the substitution under (b) of the name of Mr. P. B. Wechuizen for Mr McGaffin (Mathematics I paper, Matriculation).

II. The Committee reports as follows in connection with the undermentioned matters which were referred to it by the Council:

(a) Date of Intermediate Examination, 1914.

It resolved not to take action in the direction of fixing an earlier date for the Intermediate Examination this year, as suggested by the Rhodes University College, in view of the fact that the proposal was not supported by any other College.

Clause (a) of Par. II was noted.

(b) Length of "Het Slot Loevestein" prescribed for Matriculation Dutch B in 1915.

It resolved to qualify the prescription of the above work by adding the note "with special reference to chapters I - XIX".

Clause (b) of Par. II was noted.

## ANNEXURE A.

### GENERAL FUND.

Abstract of Receipts and Expenditure for the quarter ended 30 June, 1914, with comparative figures for the corresponding period of last year.

### RECEIPTS.

| | 1914 | 1913 |
|---|---|---|
| Government Grant | 1462.10. 0 | 1462.10. 0 |
| Fees: *Music Examinations | 4035. 0. 0 | 3685. 0. 0 |
| Law Cert. & C.S. Law Examinations | 229. 0. 0 | 231.15. 0 |
| M.A. Examination | . . . | 45. 0. 0 |
| L.A. Examination | 4.10. 0 | . . . |
| Admission ad eundem gradum | 3. 0. 0 | 2. 0. 0 |
| Marks, telegrams, etc. | 5. 5. 0 | 2.17. 7 |
| Fees for Special Centres (Law and Music) | 94. 0. 0 | 54.17. 6 |
| Gazette subscriptions | . 8. 6 | . 12. 6 |
| Rents | 44.10. 0 | . . . |
| Refunds, etc. | 4.11.11 | 22. 9. 9 |
| Exchange on cheques | 7.10. 0 | 4. 5. 0 |
| Sale of Calendars, Pamphlets, etc. (Juta) | . . . | 124. 0. 6 |
| | £5890. 5. 5 | £5635.13.10 |

| | |
|---|---|
| *Total Music Fees 1914 | £4403. 2. 6 |
| 1913 | £3732. 7. 6 |
| Increase | £670.15. 0 |

## EXPENDITURE.

| | 1914 | 1913 |
|---|---|---|
| Salaries, etc. | 560. 9. 9 | 590. 1. 0 |
| Honorarium to Secretary of Sch. Exams. Com. | 3. 0. 0 | . . . |
| Travelling & Maintenance allowances | 138.14. 6 | 120.15. 4 |
| University Scholarships | 25. 0. 0 | 308.10. 0 |
| Exhibitions and Bursaries | 607. 0. 0 | 694.15. 0 |
| Music Scholarships, etc. | 273. 6. 8 | 183. 6. 8 |
| Commissioners Fees & Examination Expenses (other than music) | 154. 8. 4 | 182.17. 4 |
| Examiners' Fees (other than Music) | . . . | 28. 6. 8 |
| Music Examinations: | | |
| (Written) Commissioners & Exam. expenses | 123.11. 3 | 108.15. 0 |
| (Practical) Examiners' travelling allowances on steamer | 60. 0. 0 | 60. 0. 0 |
| Advanced payment steamship fare | . . . | 71. 8. 9 |
| Annual fee to Associated Board | 30. 0. 0 | 30. 0. 0 |
| Editor of music lists | 15. 0. 0 | . . . |
| Printing: Forms, Registers, etc. | 14. 6. 7 | 66.15. 8 |
| Calendar | 260.10. 6 | 300. 0. 0 |
| Pamphlets, Gazettes, etc. | 280. 5. 5 | 269.17. 3 |
| Books, Stationery, Advts., etc. | 84.11. 8 | 63.10.10 |
| Postal & Telegraph expenses | 3.15. 0 | 4.16. 9 |
| Electric and water supply | 6.14. 1 | 5. 1. 3 |
| Furniture, fittings and repairs | 19. 4. 6 | 10. 9. 4 |
| Uniforms | 6. 7. 6 | 6. 7. 6 |
| Degree Day expenses | . . . | 3. 1. 0 |
| Refunds of fees, etc. | 19.12. 6 | 13.10. 0 |
| Petty accounts and office contingencies | 8.12. 1 | 11.11. 7 |
| Bank charges | 36.15. 4 | 200. 7.11 |
| Rates | 41. 7. 1 | . . . |
| Balance on quarter's working | 3059.10. 5 | 2595.17. 6 |
| | £5690. 5. 5 | £5639.13.10 |

## TABLE A. SHOWING THE PRESENT POSITION OF FUNDS.

| Fund | Original Endowment £ | Invested in Stock £ | Invested in Bonds £ | Uninvested £ | Additional Capital £ | Invested in Stock £ | Invested in Bonds £ | Uninvested £ |
|---|---|---|---|---|---|---|---|---|
| 1. Porter | 6813 | 6800 | - | 13 | 3242 | 150 | 3050 | 42 |
| 2. Jamison | 5205 | 5200 | - | 5 | 1392 | 700 | 600 | 92 |
| 3. Maynard | 1200 | 1200 | - | - | 148 | 100 | - | 48 |
| 4. Irrere | 610 | 600 | - | 10 | 32 | - | - | 32 |
| 5. J.E.Ebden | 200 | 200 | - | - | 30 | - | - | 30 |
| 6. Ebden | 4750 | 4750 | - | - | 755 | 800 | - | (-45) |
| 7. Hampden Willis | 115 | - | 115 | - | 14 | - | - | 14 |
| 8. Chalmers Memorial | 513 | - | 510 | 3 | 141 | - | 90 | 51 |
| 9. Grey Memorial | 3500 | 500 | 3000 | - | 957 | - | 813 | 144 |
| 10. Hiddingh | 4795 | 4775 | - | 30 | 1234 | 815 | 405 | 14 |
| 11. Cornwall and York | 575 | - | 575 | - | (-5) | - | - | (-5) |
| 12. Q.Vict. Memorial | 5136 | 2900 | 2236 | - | 290 | - | 100 | 190 |
| 13. Q.Victoria Prize | 155 | - | 155 | - | 8 | - | - | 8 |
| 14. Milner Art | 1018 | 1000 | - | 18 | 28 | - | - | 28 |
| 15. Currie Memorial | 3750 | 3750 | - | - | 189 | - | - | 189 |
| 16. Croll | 11064 | 11000 | - | 64 | 466 | - | - | 466 |
| | 49,399 | 42,675 | 6,591 | 133 | 8921 | 2565 | 5056 | 1298 |
| Q.Vict. Scholarships | - | - | - | - | 1723 | 100 | 1500 | 123 |
| General | | | | | 4910 | 260 | 2650 | - |
| | | | | | 15,554 | 2,925 | 9,206 | 1,421 |

TABLE B. SHOWING THE PROPOSED READJUSTMENT AT END OF 1914 (INCLUDES ADDITIONAL BALANCES OF £83 WHICH WILL THEN HAVE ACCRUED ON No. 2, £52 on No. 3, & £430 on No. 16 = £565

| Fund | Original Endowment £ | Invested in Stock £ | Invested in Bonds £ | Uninvested £ | Additional Capital £ | Invested in Stock £ | Invested in Bonds £ | Uninvested £ |
|---|---|---|---|---|---|---|---|---|
| 1. Porter | 6813 | 6800 | - | 13 | 3242 | - | 3200 | 42 |
| 2. Jamison | 5205 | 5200 | - | 5 | 1475 | - | 1475 | - |
| 3. Maynard | 1200 | 1200 | - | - | 200 | - | 200 | - |
| 4. Frere | 610 | 600 | - | 10 | 32 | - | - | 32 |
| 5. J.B.Ebden | 200 | 200 | - | - | 30 | - | - | 30 |
| 6. Ebden | 4750 | 4750 | - | - | 755 | - | 800 | (-45) |
| 7. Hampden Willis | 115 | 115 | - | - | 14 | - | - | 14 |
| 8. Chalmers Memorial | 513 | 510 | - | 3 | 141 | - | 90 | 51 |
| 9. Grey Memorial | 3500 | 2600 | 900 | - | 957 | - | 933 | 19 |
| 10. Riddingh | 4795 | 4775 | - | 20 | 1234 | - | 1220 | 14 |
| 11. Cornwall and York | 575 | 575 | - | - | (-5) | - | - | (-5) |
| 12. Q.Vict. Memorial | 5156 | 3475 | 1650 | 11 | 290 | - | 100 | 190 |
| 13. Q.Victoria Prize | 155 | 150 | - | 5 | 8 | - | - | 8 |
| 14. Milner Art | 1018 | 1000 | - | 18 | 28 | - | - | 28 |
| 15. Currie Memorial | 3750 | 3750 | - | - | - | - | - | - |
| 16. Croll | 11064 | 11000 | 64 | - | 896 | - | 896 | - |
| | 49,399 | 46,700 | 2,614 | 85 | 9,297 | - | 8,919 | 378 |
| Reserve (old Q.Vict.Schol.) | | | | | 1,725 | - | 1,600 | 125 |
| General | | | | | 3,099 | - | 2,650 | 449 |
| | | | | | 14,119 | | 13,169 | 950 |

(c) Interpretation of regulation 1 of B.A. Honours and Schorm (Calendar p. 399).

It resolved to report to the Council that in the opinion of the Committee the intention in drafting the regulation was that a candidate should have one chance only of taking Honours.

Clause (c) of Part II was adopted, and the Regulation was referred to the Committee for further consideration.

(d) Recognition of L.R.C.P. Examination in Anatomy and Physiology by University of Aberdeen.

It recommends

(i) that students taking Anatomy and Physiology of the B.A. Pass Examination otherwise than for the B.A. degree be required to obtain the following standards in order to pass:

| | | |
|---|---|---|
| Anatomy or Physiology (single subject. | Written paper | 30% |
| | Practical | 30% |
| | Aggregate | 40% |
| Anatomy & Physiology (taken together) Each subject | Written paper | 25% |
| | Practical | 25% |
| | Aggregate | 40% |

(ii) that the Royal College of Physicians and Surgeons of London and Edinburgh and the Universities of Edinburgh, Glasgow, Dublin, Leyden and other Dutch Universities be approached with a view to similar recognition being given by these bodies.

Clause (d) of Part II was adopted.

III. The Committee submits the following recommendations:

(a) B.A. Pass Exhibitions.

That in 1915 any B.A. candidate who satisfies the prescribed conditions (see July Gazette p. 4) be eligible for an exhibition (i.e. independently of whether he has entered as a pass or an honours candidate).

Clause (a) of Part III was adopted.

(b) Intermediate Practical Chemistry Examination.

That, subject to the concurrence of the Finance Committee, the special arrangements made in 1913 be adopted for 1914 and thereafter, viz. (1) where necessary, owing to the number of candidates at any centre, the candidates shall be examined, on successive days, in two groups: a special alternative paper to be set by the examiner for this purpose. (2) where more than 20 candidates have to be examined at the same sitting an additional, or an assistant commissioner shall be appointed.

Clause (b) of Part III was adopted with the omission of the words "subject to the Finance Committee".

(c) Matriculation and Certificate Examinations - English I and Dutch I Essay Subjects.

That the number of essay subjects to be set in the above papers in and after 1914 be the same as in the English A and Dutch A papers, viz. six, three of which shall have reference to the books specified for the year.

Clause (c) of Part III was adopted.

(d) Junior Certificate History.

That the note "A sufficient knowledge of geographical facts bearing on the subjects of the syllabus will be required" which is appended to the Matriculation History syllabus be appended to the Junior Certificate syllabus also.

Clause (d) of Par. III was adopted.

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(e) Matriculation Examination: special 20 per cent standard.

That Matriculation candidates with I or II class aggregates who are allowed to pass in the III class provided they do not fall below a standard of 20 per cent in their (single) failing subject, be allowed the benefit of the ordinary condonation rules in calculating their percentage in such subject.

(N.B. In 1913 this concession would have affected the cases of two candidates only.)

Clause (e) of Par. III was not adopted.

(f) Matriculation and Senior Certificate Examinations:

Special standard in English and Dutch combined.

With reference to the following regulation adopted by the Council viz. "That for a period of five years beginning in 1915 in English and Dutch at the Matriculation and Senior Certificate Examinations the minimum required for a pass in the language offered as the first language be 30% and for the second language be 20%, and that the minimum aggregate for both languages combined be 35%".

The Committee recommends

(i) that the Council reconsider the form of the regulation with a view to substituting for the words underlined the following: "a minimum of 20% shall be sufficient for a pass in Dutch B (English B) in the case of candidates who obtain an aggregate of not less than 35% of the maxima in that paper and in English A (Dutch A) combined".

(ii) that the rule apply to the examinations of 1914 also.

C (iii) that in calculating the 20% and 35% candidates be allowed the benefit of the ordinary condonation rules.

N.B. In 1913 the application of the above rule would have resulted in a pass being allowed in the case of 47 candidates who failed in Dutch B only.

With reference to Clause (f) of Par. III (i) and (ii) were adopted; (iii) was not adopted.

15. The following Report of the Literature Committee was submitted by Professor Notcutt:

REPORT OF THE LITERATURE COMMITTEE.

(Submitted 25th September, 1914)

Professor Notcutt.

I. The Committee reports that it has considered the following matters which were referred to it by the Council and submits the resolutions appended:

(A) Proposal to institute an alternative (easier) examination in Greek at the Intermediate Examination for those students who begin Greek at College.

Resolution: The Committee recommends that this proposal be not adopted.

Clause (A) of Par. I. was adopted.

(B)

(B) Proposal to institute separate Honours Departments in English, Dutch, French and German respectively.

(The remit from Council was as follows:

"That the present Honours Departments in Modern Languages be abolished and that separate Honours Departments in English, Dutch, French and German, each as a fully professed subject, be instituted for it, with the proviso that a second modern language shall be taken in the Pass Examination and in addition a third modern language in a special subsidiary qualifying examination which may be taken either previously to or along with the Honours Examination".

Resolutions:

(1) The Committee approves of the remit with the omission of the words "and in addition ... Honours Examination", and the substitution therefor of the following words:

"and that a reading knowledge of a third modern language be required of all candidates for Honours in one or other of the aforementioned Departments, this knowledge to be tested not later than the candidate's second (Pass) year of study either by a special subsidiary examination or by the attainment of a 40% pass in the ordinary Intermediate Examination in that subject".

(2) The Committee recommends that, in the case of the special subsidiary examination, reading knowledge should be tested by translation into the language professed for Honours.

(3) The Committee recommends that the syllabus printed as Annexure A* be adopted, to apply mutatis mutandis to each of the four new Honours Departments of English, Dutch, French and German.

(4) The Committee recommends that the above scheme come into operation in 1917.

Clause (B) of Par. I was adopted in principle, the wording of (1) (2) and (3), and the final examination included under (4) to be further reported on by the Committee of Studies together with the questions of the allocation of words and of the effect of the scheme in the distribution of [illegible].

(C) Preparation of a syllabus (to replace the text book) for Sec. A of I: B.A. Pass French and German papers, to take effect in 1916 (see Calendar pp. 192, 193).

Resolution: The Committee is not prepared to carry this out for 1916 and suggests that the Council should communicate with the various professors teaching these subjects, asking their views on this matter, and, if it is deemed desirable, appoint a committee to draw up such syllabuses for German and French.

Clause (C) of Par. I was referred for report to the Committee of Studies.

(D) As regards the B.A. syllabuses in (1) Economics and (2) Classical Philology and Archaeology (Honours) the Committee's recommendations will be found below in Paragraphs II (B) 4 (Pass Economics), II (C) 1 (Classics) and II (C) 3 (Honours Economics).

Clause (D) of Par. I was noted.

II. The Committee recommends the adoption of the following alterations in Examination Regulations and Syllabuses.

(A) Intermediate Examination.

(1) English: Dutch (Calendar p. 96: cf. pp. 110,111) II Paper Sec. B. The detailed syllabuses printed as Annexure B* to be prescribed in place of a text-book.

Clause A (1) of Par. II was adopted.

Intermediate Syllabuses - English and Dutch

(Paper II Sec. I.)

I. ENGLISH.

(1) Gene[illegible]n of the life and growth of language. Difference betwe[illegible]guage and dialect. The origin of dialects.

(2) The meaning and value of (a) Philology (b) Comparative Philology. Synthetic and analytic languages. Types of language spoken in South Africa.

(3) The relation of English and Dutch to one another, and to (a) the Germanic group, (b) the Indo-germanic group.

(4) The elements of phonetics as applied to English - The organs of speech and their functions. How sounds are produced. Formation and definition of vowels, diphthongs, consonants and semi-vowels. Classification of vowels. Classification of ~~consonants according to place and method of production.~~ The standard pronunciation of English.

(5) Grammar and the work of the grammarian. The periods of English. General differences in form between Old, Middle and Modern English.

(6) Methods of word-formation. Principal foreign elements in English. Changes in the meaning of words. The influence of great writers on the language.

II. DUTCH.

(1) De beginselen van de fonetiek: Betekenis waarde en omvang der fonetiek - De voornaamste spraakorganen en hun funkties - Adem en stem - Indeling der klanken in (i) Vokalen, (ii) Konsonanten - Verschil tussen vokalen en konsonanten, tussen vokalen en difthongen en tussen vokalen en halfvokalen - De tong als basis bij de indeling der vokalen: voor- en achtervokalen, boven- en benedenvokalen - ongeronde en geronde vokalen - Indeling der konsonanten:

(i) naar de wijze van vorming,

(ii) naar de plaats van vorming.

(2) Wezen ener taal: leven en groei.

(3) Wat onder grammatika verstaan wordt: beschrijvende en historiese grammatika.

(4) De verhouding van taal tot dialekt.

(5) De verhouding van het Nederlands tot de indogermaanse en germaanse taalfamilie.

(6) De verschillende tijdperken in de ontwikkeling van de Nederlandse taal: Oudnederlands, Middelnederlands en Nieuwnederlands.

(7) De invloed van vreemde talen, op het Nederlands: hoofdzakelik het het Latijn en het Frans - langs welke weg die invloed uitgeoefend werd-omvang van die invloed met enkele sprekende voorbeelden - de invloed van het Engels op het Nederlands in Zuid Afrika; omvang van die invloed met enkele sprekende voorbeelden - de verhouding van het Nederlands tot het Afrikaans.

(8) De werking der analogie in de taal, vooral in het Nederlands.

(9) Woordvorming: samenstelling en afleiding.

# ANNEXURE A.

B.A. Honours Syllabus in English, Dutch, French, German as separate departments.

er I. An Essay on one of five given subjects dealing with the language or literature.

er II. English Literature - a general view of the whole subject with special reference to its periods and movements, and to the interaction between national history and literature.

er III. Elements of Old and Middle English and the History of the Language, with the Elements of Phonetics, with oral test.

er IV. The study of one of two periods of literature, with prescribed works from the period, one of these periods to be medieval, and the other modern.

er V. One of the following:

(a) The works, or a considerable portion of the works, of some one Author: certain of these works to be studied in detail.

(b) A department of literature, or a literary 'kind', to be studied in its chief English examples.

(c) English Philology, with prescribed texts for linguistic study.

al examination. - This will be of a nature

(a) to test the candidate's ability to speak the language with correctness and facility:

(b) further to test his acquaintance with the subject matter of the course.

The Committee recommends that a definite value be assigned to this examination.

(b) IV Papers Sec. A. The syllabus to be "Theories of origin of speech: physiology of speech: the Indo-germanic vowels and consonants with their developments and changes: accentuation: inflections of nouns, adjectives, verbs, numerals, adverbs".

Sec. B. The syllabus to be as follows:

"(Candidates will be required to select one subject from A and one from B, notice of their selection to be given to the Registrar at least 9 months before the date of the examination).

A. (1) Greek sculpture (2) Greek religion (as illustrated by monuments and inscriptions) (3) Topography of Athens, with special study of the Parthenon (4) Greek private life (as illustrated by monuments and inscriptions) (5) Greek theatre and drama (as illustrated by monuments and inscriptions).

B. (1) The life and art of Pompeii (2) Roman religion (as illustrated by monuments and inscriptions) (3) Topography of Rome, with special study of the Forum (4) Roman private life (as illustrated by monuments and inscriptions) (5) Roman military life (as illustrated by monuments and inscriptions).

Clause C(1) of Rec. II was adopted.

(2) Dept. IV. History (Calendar p. 159) (a) I Paper. For "A.D. 1707" read "A.D. 1688".

(b) II Paper. The syllabus to read "British Colonial History with special study of any two of the Federal or Union constitutions arising therefrom; i.e. United States of America, Canada, Australia, South Africa".

(c) V Paper line 6. For "England" read "Germany".

Clause C(2) of Rec. II was adopted.

(3) A new department to be instituted, viz. XIV (3) Economics, with the following conditions:

(a) Candidates at their Pass Examination to take either Group A, including Economics, or Group B including Economics or Group C including Economics, as laid down on pp. 113-4 of the Calendar.

(Note by Registrar: This recommendation is not clear as regards Groups B and C. In Group B it apparently means that Economics must be taken under (iv) unless Greek is taken under (i) and in Group C it necessitates Greek and Economics being taken under (iii) and (iv) unless Mathematics is taken under (i) and (ii). In any case it bars history or Logic or Ethics being taken as a subject.

(b) Candidates who take Group A' (see p. 397 Calendar) to choose their 4 subjects from (i) Economics (ii) History (iii) Logic and Psychology or Ethics and Politics (iv) Any subject in Group A not already taken.

(Note by Registrar: This apparently permits Logic or Ethics - whichever is not taken under (iii) - to be taken under (iv). It also enables Latin, Greek, French and German to be eliminated which was specially guarded against in all other departments - cf. Dept. IV on p. 398 of Calendar).

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|---|---|
| First Paper. | Advanced paper on pure theory of economics. |
| Second Paper | Special subjects (to be prescribed from time to time), e.g. Banking and Currency, Foreign Exchanges, Taxation, Trusts, Cooperative Societies. |
| Third Paper | An essay. |
| Fourth Paper | A special period of Economic history (to be prescribed from time to time), e.g. Economic history of the middle ages to the end of the fifteenth century. |
| Fifth Paper | Economic history of South Africa. |

Clause C(3) of Rec. II was referred for report to the Committee of Studies.

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(2) Latin (Calendar pp. 96,94). Two papers to be set; the First (1½ hours) carrying 150 marks, and the Second (2 hours) 200 marks with a subminimum of 50. Syllabus I Paper Translation of passages from prescribed authors and questions on the language and subject-matter of these books. II Paper as present Sec. B.

Clause A (2) of Par. II was referred for report to the Committee of Studies.

(3) History (Calendar p. 96) The present syllabus to be replaced by the following*, the general idea of which is to trace the development of England, France and the Netherlands, and their influence on South Africa from the end of the XVI century onwards.

Clause A (3) of Par. II was adopted.

(E) B.A. Pass Examination.

(1) Group A. (Calendar p. 113) A subject (e) to be added under (iv) and (v) viz. "Logic and Psychology†† or Ethics and Politics† († if not taken under (iii))".

(2) Greek (Calendar p. 129) Third Paper A. The syllabus to read "English passages (simple narrative or oratory) for translation into Greek": (2) being deleted.

(3) History (Calendar p. 133) First Paper. The syllabus to read "Outlines of general European History from 800 - 1305 A.D."

(4) Economics (Calendar p. 135). First Paper. The following alterations to be made in the syllabus:

(a) Title. The words "with special reference to South African conditions" to be deleted.

(b) Sec. C. add "Economics of socialism" (transferred from II Paper).
Sec. E. add "Municipal trading and finance" (transferred from II Paper).

(c) The list of books recommended to be deleted.

Second Paper - The following alterations to be made in the syllabus:

(d) A new Section A to be included viz. "Stages in Economic Evolution".

(e) Sec. A to be renumbered Sec. B., and the following words to be deleted:

"Free" before "village communities): "in its .... labour" after "manorial system": "Economic influence ... capital" after "free labour": "Economic results of the Crusades".

(f) Sec. B to be renumbered Sec. C and the following words to be deleted:

"The Augsburg capitalists. The Italian seaports "Economic reforms of Sully and Henry IV".

(g) Sec. C to be renumbered Sec. D and the following words to be deleted:

"The inventions": "Foreign exchanges": "Influence of economic factors ... trading and finance".

(h) Sec. D to be transferred to an Honours Paper in Economics.

(i) The list of books recommended to be deleted.

Clause B of Par. II was adopted.

(C) B.A. Honours Examination.

(1) Dept. I. Classics. (Calendar p. 400)
(a) I Papers Sec. 1. The word "textual" to be added after "grammatical".

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Clause A(1) of Par. II was adopted.

(2) Applied Mathematics (Calendar p. 121) Par. (2) (ii). The words "The IV Honours Paper .... Equations)". to be deleted (the foot note remaining as at present) and the following substituted "A paper† on the following:

Algebra. Complex quantities. Separation of real and imaginary parts. Solution of linear equations in determinantal form.

Differential and Integral Calculus. Partial differentiation and total differentials. Simple volume integrals.

Plane Coordinate Geometry. General equation of second degree with the origin as centre. Discrimination of various cases. Reduction to canonical forms. Curvature of plane curves.

Coordinate Solid Geometry. Fundamental ideas of parallel projections. The plane and straight line. Ellipsoid with the origin as centre. Reduction to canonical form. Tangent plane to ellipsoid.

Differential equations. Solution of following equations:- The equation of the first order with variables separated. Extended linear equation of first order. The Linear equation of second order with constant coefficients. Use of complex quantities in solution of linear differential equation. Simultaneous linear equations of second order with constant coefficients.

Clause A (2) of Par. II was adopted.

(3) Physics (Calendar p. 122) Par. (2) (ii) The words "that part of the IV Honours Paper ... Equations" to be deleted (the foot note remaining as at present) and the following substituted "A paper† etc (as for Applied Mathematics above).

(4) Physics (Calendar p. 164): Chemistry (Calendar p.169 Third Paper. . It to be left to the examiners in any year to decide whether <u>one</u> or <u>two</u> essays should be asked from candidates: i.e. The words "Full marks ... one question only" to be deleted.

(5) Geology (Calendar p. 173) Third Paper. The prescribed papers for 1915 to be the same as for 1914 (see p. 186).

Clauses A (3),(4),(5). of Par. II were adopted.

(B) <u>II B.Sc. Examination in Mining</u>.

(1) Mathematics (Calendar p. 211) In par. (a) delete "Trigonometry and" and "solution of trigonometrical equations. Heights and distances". Par. (b) delete "Coordinates ... equations" and substitute "Polar coordinates: transformation to rectangular coordinates". Par. (c) delete "and polar coordinates. Curvature ... coordinates". Par. (d) delete "Elementary theory of the planimeter".

(2) Applied Mathematics (Calendar p. 212) In par. (a) delete "Composition ... harmonic motions" and "Experimental treatment ... buoyancy" and add after "Floating equilibrium" the words "omitting stability".

(3) Physics (Calendar p. 213) delete the whole of Par. (b) Light.

Clause B of Par. II was adopted.

III. The Committee submits the following resolutions:

(A) (1) That the Council be requested to take steps to make the examinations in Mathematics, Applied Mathematics and Physics in the II B.Sc. Examination in Mining of a simpler character.

(2) That the Council be recommended to reconsider the distribution of work and the number of subjects in the syllabus of the II B.Sc. Examination in Mining with a view to lightening the work required of candidates.

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(D) M.A. Examination Reg. 6 (Calendar p. 196). .Part II of the M.A. Examination in any Modern Language to be open to candidates who have taken B.A. Honours in Classics.

Clause (D) of Par. II was referred for report to the Committee of Studies.

III. The Committee recommends

(a) That the works printed as Annexure C* be adopted as the special subjects for the Intermediate and B.A. Examinations in 1916.

Clause (a) of Par. III was referred to the Committee of Studies with power to act.

(b) That the works printed as Annexure D* be similarly adopted for 1917.

Clause (b) of Par. III was held over until the June 1915 meeting of Council, the prescription of "Romanzero" under B.A. Pass German to be then reconsidered.

IV. The Committee reports that it has reappointed the following officers for the ensuing meeting

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|---|---|
| Chairman: | Professor Notcutt |
| Vice-Chairman: | Professor Reinink |
| Secretary: | Professor E.A. Walker. |

Par. IV was noted.

16. The following Report of the Science Committee was submitted by Professor Hahn:

REPORT OF THE SCIENCE COMMITTEE.

(Submitted 25th September, 1914)

Professor Hahn.

I. The Committee reports that it has considered the following matters which were referred to it by the Council and submits the resolutions appended:

(A) Practical Examinations (see Report of Joint Committee Par. I (1)).

(B) Amended B.A. Honours Syllabuses (see Report of Joint Committee Par. I.(C)).

Clauses (A) and (B) of Paragraph I were noted.

(C) Proposed reagents for use in blow pipe analysis for Geology Practical Examinations (B.A. Pass, I Survey and II B.Sc. in Mining).

Resolution: The Committee recommends that the proposed list of reagents be not adopted but that the use of all such reagents as are employed in Brush and Penfield's "Determinative Mineralogy" be permitted in the above mentioned examinations.

Clause (C) of Par. I. was adopted.

II. The Committee recommends the adoption of the following alterations in Examination Regulations and Syllabuses:

(A) B.A. Honours Examination.

(1) Mathematics (Calendar p. 120). The words "and Applied Mathematics" to be added after "Mathematics" under both Group C and Group D.

IV. The Committee reports that it has re-appointed the following officers for the ensuing meeting:

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|---|---|
| Chairman | Professor Hahn |
| Vice-Chairman | Professor Woolston |
| Secretary | Professor Crawford. |

Par. IV was noted.

17. The following Report of the Joint Literature and Science Committee was submitted by Professor Mackenzie:

REPORT OF THE JOINT LITERATURE AND SCIENCE COMMITTEE.

(Submitted 25th September, 1914)

Professor Mackenzie.

I. The Committee reports that it has considered the following matters which were referred to it by the Council and submits the resolutions appended.

(A) Proposal to hold the I.A. Honours Examination in January.

Resolution: The Committee recommends that this proposal be not adopted.

Clause (A) of Paragraph I was adopted.

(B) Proposals that the practical examinations in science subjects be held in the respective colleges by the teacher and an external examiner etc.

Resolution: The Committee recommends that the proposals in reference to the practical examinations remitted by the Council be not adopted.

Clause (B) of Par. I was referred for report to the Committee of Studies in conjunction with item No. 16 III (c)

(C) Proposed amendments to new I.A. honours Syllabuses in Departments V - XI.

Resolution: The Committee recommends that the changes printed as Annexure A to this Report be adopted and further submits the following general recommendations:

(1) Mathematics: Applied Mathematics: Physics.

(a) That it is desirable that a professor offering candidates in the subject should be an examiner.

(b) That the teachers in the more advanced work should be examiners in that work.

(2) Geology: Zoology.

That the reservation "N.I. These recommendations are made on the understanding that the professors engaged in teaching the subject shall be examiners" be included as in the case of Botany (Calendar p. 409).

With reference to Clause (C) of Par. I.

(1) The following amendments in the Annexure were agreed to viz. (1) The note to Mathematics V paper to be added also to Applied Mathematics V paper - Physics IV paper. (2) Chemistry: 100 marks to be assigned to Physical Chemistry (3) Botany: the essay paper to be designed to test the candidate's knowledge of a number of original treatises prescribed from time to time by the Council (of which due notice will be given).

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(ii) The Botany and Zoology syllabuses were then referred to the Committee of Studies to report on the distribution of subjects among Papers I, II and III, a letter from Prof. Goddard on the Zoology syllabus being similarly referred.

(iii) Subsections (1) and (2) of the paragraph were adopted in so far as may be consistent with the terms of the University Act.

(D) Proposed amendment to M.A. Part II Syllabus in Dept.III (Mental and Moral Science). (Calendar p. 201).

Resolution: The Committee recommends that the syllabus be as follows:

"Six Papers viz. I. Logic and Metaphysics, II. Psychology, III. Moral and Political Philosophy, IV. V. and VI. Three special periods of Philosophy (one at least to be a period of ancient Philosophy) with representative texts: the periods and texts to be approved of by the Council.

On any one of these periods a thesis may be offered by the candidate in place of the examination on that period.

Clause (D) of Par. I was adopted.

II. The Committee submits the following resolutions:

(A) That the Committee considers that all heads of departments in University Colleges should be made assessor members and requests the Council to amend the regulation governing the qualifications of assessor members so as to give effect to this principle.

Clause (A) of Par. II was adopted.

(B) The Committee recommends that matters affecting the Matriculation Examination be permitted to originate in the Joint Committee.

Clause (B) of Par. II was adopted.

(C) The Committee recommends that in all University Examinations above Matriculation at least one examiner should be a teacher of the subject and that the University Act be so modified as to make this possible.

Clause (C) of Par. II was recorded.

(D) The Committee recommends that the syllabus of B.A. Pass Group B (Calendar p. 114) under heading (iii) be amended so as to read:-

(iii) One of the four following subjects:-

(a) Logic and Psychology
(b) Ethics and Politics
(c) History
(d) Economics.

Clause (D) of Par. II was adopted.

III. The Committee reports that it has appointed the following officers for the ensuing meeting:

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|---|---|
| Chairman | Professor Mackenzie |
| Vice-Chairman | Professor Macfadyen |
| Secretary | Professor Reyburn. |

Par. III was noted.

Clause A of Par. III was referred to the Committee of Studies for consideration and report.

(B) (1) That examiners in Practical Chemistry be requested to arrange that their confidential instructions shall reach the laboratory officers concerned, if possible, 14 days before the examination.

(2) That on the boxes containing the materials for the practical examinations be marked the subject and day of the examination.

Clause B of Par. III was adopted.

(C) That with reference to the conduct of practical examinations the Committee considers that the following scheme would be satisfactory, if financially possible:

(1) That for the Pass and Honours B.A. Practical Examinations in Physics, Chemistry, Geology, Botany and Zoology and the Pass Examination in Applied Mathematics, the present system of simultaneous examinations supervised by commissioners be abandoned.

(2) That the examinations in each subject be conducted at each college centre by two travelling examiners acting in consultation with the teacher at the centre.

(3) That if competent external examiners be not available the travelling examiners be chosen from among the teachers of the subject.

(4) That the examinations be held during the 28 days preceding the written examinations, commencing about November 10th.

(5) That in order to enable all examinations to be concluded by a reasonable date portions of the written examinations for Honours in Literature and Science should, so far as is practicable, be also held during this period.

(6) That if these arrangements are given effect to, greater freedom should be allowed to the teachers in regard to the syllabuses of the practical work.

(7) That for the present no change be made in the practical examinations of the Intermediate Examination.

It estimates that the itinerary for Physics would require about 25 days, for Chemistry 32, and for the other subjects less than 25 days.

Upon the basis of an average itinerary of 25 days the extra cost of this system over the cost of the existing system would be approximately £600.

If this extra cost should be deemed prohibitive, the following alternative modifications are suggested, which the committee gives in order of its preference.

(i) That one travelling examiner be appointed in each subject instead of two as suggested in par. (2).

(ii) That at the outset the first scheme be applied to Physics and Zoology only.
The extra cost in this case would be reduced to approximately £150, but there would be the disadvantage that a longer period would be required for the examinations as a whole, the travelling examiners beginning about the 1st of November.

(iii) That two examiners be appointed in each subject, both to examine at the initial and final stations, but to separate and examine singly at the intermediate stations.
The advantage of this scheme would be the reduction in time required. The committee estimates that upon the average some 17 days would be required and that the extra cost would be approximately £300.

(iv) That if modification (iii) be adopted, all candidates for Scholarships be examined by the same examiner.

Clause C of Par. III was referred for report to the Committee of Studies.

IV

Annexure A.

ANNEXURE A.

PURE MATHEMATICS.

(i) Paper I (a) (p. 403) add "and the deletion of "Continued Fractions" also add after (b) "(c) Elements of the Theory of Mathematical Analysis for Real Variables:-

Syllabus - Rational and irrational numbers: First principles of theory of functions: Continuity of functions: Infinite series and uniform convergence: Derivatives of functions: Continuous functions without derivatives:

Detailed work on the exponential logarithmic, circular and hyperbolic functions.

(ii) Paper II (b) (p. 403) add "line coordinates and" before "Homogeneous".

Also add "(c) Coordinate Geometry of Three Dimensions: plane: straight line" (from Paper IV p. 161).

(iii) Paper III (p. 404) (b) (Theory of Functions) Delete the whole section.

(iv) Paper IV (a) (p. 404) After "Surfaces" add "and the deletion of "rectangular coordinates, the plane; straight line".

(v) Papers V and VI (p. 404) to be amended to read

Paper V. Theory of Functions, and one of the following subjects:

(i) - (x) (as printed, Calendar p. 404)

(xi) "any other branch of mathematical Analysis approved by the University".

Note: "No detailed syllabuses to be drawn up. The syllabus of any subject offered by a candidate to be submitted to the University for approval in time for the June meeting of the Council.

Paper VI. An essay paper (in which two questions are to be answered) on the subjects offered by the candidate in Paper V.

( ) The scheme of marks proposed under the suggested plan, which involves six papers instead of four is

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|---|---|---|
| First Paper | 210 | ) |
| Second Paper | 210 | ) |
| Third Paper | 230 | ) |
| Fourth Paper | 230 | ) Total 1350 as before |
| Fifth Paper | 270 | ) |
| Sixth Paper(Essay) | 200 | ) |