



Ceylon Government Gazette

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PART I.—General : Minutes, Proclamations, Appointments,
and General Government Notifications.
PART II.—Legal and Judicial.

PART III.—Provincial Administration.
PART IV.—Marine and Mercantile.
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Part I.—Minutes, Proclamations, Appointments, &c.

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APPOINTMENTS, &c., BY THE GOVERNOR.

HIS EXCELLENCY THE GOVERNOR AND COMMANDER-IN-CHIEF has been pleased to make the following temporary appointment on his personal staff :—

Captain C. WARD JACKSON, Prince of Wales' Own Yorkshire Hussars, to be extra Aide-de-Camp to His Excellency the Governor.

By His Excellency's command,

EVERARD IM THURN,
Colonial Secretary.

Colonial Secretary's Office,
Colombo, February 13, 1902.

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HIS EXCELLENCY THE GOVERNOR has been pleased to appoint Mr. H. O. FOX to the office of Assistant at Kegalla to the Government Agent, Province of Sabaragamuwa ; Superintendent of the Prison at Kegalla ; Additional District Judge, Kegalla ; Additional Superintendent of Police, Kegalla ; Local Authority under the Petroleum Ordinance for the District of Kegalla ; and a Visitor of the Post Offices in the District of Kegalla, with effect from the 13th instant.

By His Excellency's command,

EVERARD IM THURN,
Colonial Secretary.

Colonial Secretary's Office,
Colombo, February 11, 1902.

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APPOINTMENTS, &c., OF REGISTRARS.

HIS EXCELLENCY THE GOVERNOR has been pleased to make the following appointments :—

Mr. K. D. PERERA to be Additional Registrar of Lands, Colombo, holding office at Negombo, with effect from the 10th instant.

GAMMEDGEDARA HERAT MUDIYANSELAGE APPUHAMI to act temporarily as Registrar of Births and Deaths and of General Marriages of Lower Dumbara, part of Pallegampaha, Division No. 4, in the Kandy District of the Central Province, with effect from 7th February, 1902, *vice* J. M. TIKIRI APPUHAMY, deceased. His office will be at Gammedgedarawatta in Alutgama.

Mr. T. ELLANKAIYAR, Head Clerk of the Mullaitivu Kachcheri, to act as Registrar of Lands, Mullaitivu, temporarily, with effect from the 5th instant, during the absence of the Registrar, Mr. C. KANDAYAH, from the station.

Mr. A. N. GALBRAITH to be Additional Assistant Provincial Registrar of the Matara District, under section 5 (1) of the Ordinances Nos. 1 and 2 of 1895, in the Southern Province, with effect from 11th February, 1902.

By His Excellency's command,
EVERARD IM THURN,
Colonial Secretary.

Colonial Secretary's Office,
Colombo, February 13, 1902.

WITH reference to the *Gazette* notice dated the 5th December, 1901, it is hereby notified that His Excellency the Governor has been pleased to confirm DIYANWELA NAVARATNE YAPA MUDIYANSELAGE KIRI BANDA WELEGEDARA in the office of Registrar of Births and Deaths of Pallepone korals division, and Registrar of Kandyan and General Marriages of Kotmale division (excluding the portion included in the town of Nuwara Eliya), in the Nuwara Eliya District of the Central Province, *vice* J. M. KIRI BANDA, appointed Korala. His office will be at Udahawalawwa in Maswela.

By His Excellency's command,
EVERARD IM THURN,
Colonial Secretary.

Colonial Secretary's Office,
Colombo, February 11, 1902.

THE following appointments under sections 2 and 3 of the Ordinances Nos. 19 and 23 of 1900, respectively, are hereby notified :—

The Provincial Registrar, Anuradhapura, has appointed CHANDERASEKARA RAJAKARUNA MUDIYANSELAGE WANNIHAMY to act as Registrar of Births and Deaths of Kunchuttu korale division, in the Anuradhapura District of the North-Central Province, for thirty days from 7th February, 1902, during the absence of the Registrar, C. R. PUNCHIRALA, on leave. His office will be at Alutgedara in Wattewewa.

The Provincial Registrar, Badulla, has appointed Mr. R. E. PERERA to act as Registrar of General Marriages of Yatikinda division, in the Badulla District of the Province of Uva, for seven days from 5th February, 1902, during the absence of the Registrar, Mr. E. F. DIAS, on leave. His office will be at the Badulla Kachcheri.

The Provincial Registrar, Kurunegala, has appointed EKANAYAKA MUDIYANSELAGE MEDDUMA BANDA BOYAGODA to act as Registrar of Births and Deaths of Weuda and Gannewa korales division, and as Registrar of General Marriages of Weudawili hatpattu division, in the Kurunegala District of the North-Western Province, for three weeks from 1st February, 1902, during the absence of the Registrar, P. B. BOYAGODA, on leave. His office will be at Pahalawalawwa in Boyagoda.

The Assistant Provincial Registrar, Hambantota, has appointed MALLIYARAJA DON DAVIT ABESSEKARA to act as Registrar of Births and Deaths of Kanuketiya Pahalawalakada division, and as Registrar of Marriages of East Giruwa pattu division, in the Hambantota District of the Southern Province, for two weeks from 10th February, 1902, during the absence of the Registrar, DON JOHANNES SAMARAWICKRAMA ABESSEKARA, on leave. His office will be at Walawwewatta in Lunama.

The Assistant Provincial Registrar, Kegalla, has appointed BELIGODAPITIYEWALAWWE SRINARAYANA MUDIYANSERALAHAMILLAGE LOKU BANDA ARACHCHI to act as Registrar of Births and Deaths of Walgam pattuwa division, in the Kegalla District of the Province of Sabaragamuwa, for twenty-nine days from 15th February, 1902, during the absence of the Registrar, A. S. W. T. M. MEDDUMA BANDA, on leave. His office will be at Walawwewatta in Miduma.

P. ARUNACHALAM,
Registrar-General.

Registrar-General's Office,
Colombo, February 13, 1902.

GOVERNMENT NOTIFICATIONS.

IT is hereby notified for general information that the rate at which Exchange Compensation is payable on salaries of Public Officers until further orders is—

1s. 4d.

Audit Office,
Colombo, February 13, 1902.

F. R. ELLIS,
Acting Auditor-General.

IT is hereby notified for general information that 161,647 acres of surveyed lands are available for sale in the under-mentioned Provinces :—

In the Western Province, 18,909 acres, situated in Siyane, Hewagam, Salpiti, and Alutkuru korales of the Colombo District, consisting of forest, chena, and jungle lands.

In the Central Province, 2,841 acres, situated in the Kandy, Matale, and Nuwara Eliya Districts, composed chiefly of jungle, chena, and patana lands.

In the Southern Province, 28,278 acres, situated in the Hambantota District, consisting of paddy fields, chena, jungle, and garden land.

In the Eastern Province, 38,260 acres, situated in the Batticaloa and Trincomalee Districts, consisting of garden lands, paddy lands, and jungle.

In the North-Central Province, 10,270 acres, distributed throughout the Province.

In the Province of Uva, 13,936 acres, situated in the Yatikinda division, consisting of patana, chena, and paddy fields.

In the Province of Sabaragamuwa, 49,153 acres, situated in the Ratnapura and Kegalla Districts, consisting of forest and chena lands.

By His Excellency the Lieut.-Governor's command,

Colonial Secretary's Office,
Colombo, August 5, 1901.

W. T. TAYLOR,
Acting Colonial Secretary.

THE following rules to regulate the Importation, Storage, and Transport of Calcium Carbide, made by the Governor, with the advice of the Executive Council, are published for general information.

By His Excellency's command,

Colonial Secretary's Office,
Colombo, February 8, 1902.

EVERARD IM THURN,
Colonial Secretary.

Rules to regulate the Importation, Storage, and Transport of Calcium Carbide.

1. Acetylene when liquid or when subject to a pressure above that of the atmosphere capable of supporting a column of water exceeding 100 inches in height, and whether or not in admixture with other substances, shall be deemed to be an "Explosive," and shall be prohibited from being manufactured, imported, kept, conveyed, or sold subject to the following exception.

Acetylene in admixture with oil gas in a proportion not exceeding 20 parts by volume of acetylene in every 100 parts of the mixture when subjected to a pressure not exceeding 150 lbs. to the square inch shall not be deemed to be an explosive, provided that the acetylene and oil gas shall be mixed together in a chamber or vessel before the gases are subjected to compression.

2. The importation of calcium carbide, which contains impurities liable to generate phosphoretted hydrogen or siliciuretted hydrogen so as to render the gas evolved liable to ignite spontaneously is hereby prohibited.

3. The owner or master of every ship carrying a cargo any part of which consists of carbide of calcium shall on entering the harbour immediately give notice of the nature of such cargo to the Master Attendant, and shall place or moor his ship in such place as the Master Attendant may direct; and while any carbide of calcium remains on board, shall not, except for the purpose of proceeding to sea, remove his ship without the written permission of the Master Attendant.

4. The hold of every ship carrying carbide of calcium shall be efficiently ventilated from the time of entering the harbour until all the carbide of calcium has been discharged or until the ship has left the harbour.

5. Carbide of calcium shall only be brought into the harbour in hermetically closed metal vessels containing each not more than 140 lb., and of such strength and construction as not to be liable to be broken or to become defective or insecure in conveyance otherwise than by gross negligence or extraordinary accident.

6. No such closed metal vessel containing carbide calcium shall be opened within the limits of the port or Customs premises, except with the written consent of the Principal Collector of Customs.

7. Every reasonable precaution shall be taken to prevent the contact of water or moisture with the carbide of calcium, and, where such contact may have occurred, to prevent the gas evolved from being ignited.

8. Where carbide of calcium is landed within the ports of Colombo, Galle, and Trincomalee :—

(a) It shall be landed only in cargo boats and after sunrise and before sunset, and only at such place or places as the Collector of Customs shall direct. Every such cargo boat shall carry at its bows in an exposed and prominent position a red flag not less than 18 inches square. When carrying calcium carbide the boat shall carry no other cargo.

(b) No smoking, fire, or light shall be allowed in any cargo boat during the time that the calcium carbide is on board the boat.

9. All calcium carbide landed as aforesaid shall, without being deposited or stacked on the ground, be carried at once from the boat in which it has been conveyed to premises in respect of which a license for the storage of calcium carbide has been granted.

10. Where any carbide of calcium :—

(a) Is kept at any place, except during the seven days next after it has been imported ; or

(b) Is sent or conveyed by land or water between any two places in the Island of Ceylon ; or

(c) Is sold or exposed for sale, the label on the vessel containing the said carbide of calcium shall bear in conspicuous characters in English, Sinhalese, and Tamil the words " Carbide of Calcium : Dangerous if not kept dry," and with the following caution :—

" The contents of this package are liable, if brought into contact with moisture, to give off a highly inflammable gas," and with the addition :—

(a) In the case of a vessel stored, of the name and address of the consignee or owner.

(b) In the case of a vessel sent or conveyed, of the name and address of the sender.

(c) In the case of a vessel sold or exposed for sale, the name and address of the vendor.

11. The premises for storage of carbide of calcium exceeding 5 lb. must be substantially constructed with walls of stone, brick, or concrete with tiled roofs and with tiled, bricked, paved, or concrete floors, well ventilated, dry and isolated, and approved of by the Local Authority.

12. No unauthorized person shall be permitted access to the premises where carbide of calcium is stored in quantities exceeding 5 lb.

13. No fire or any artificial light shall be taken into the premises where calcium carbide is stored in quantities exceeding 5 lb.

14. The premises for storage of calcium carbide in quantities exceeding 5 lb. shall be fitted with lightning conductors approved of as sufficient by the Local Authority.

15. The place of storage shall in all respects be kept and maintained in the same condition that it was in when inspected and approved of by the Local Authority.

16. The Local Authority or any officer specially authorized in this behalf may enter any premises in which carbide of calcium is stored with the object of inspecting the same at any time after sunrise or before sunset.

17. Where carbide of calcium is stored in quantities exceeding 5 lb., the building shall be exclusively appropriated for that purpose.

18. A plan, section, and elevation of every building intended for the storage of carbide of calcium in quantities exceeding 5 lb. shall be deposited with the Local Authority, and on it shall be shown the position and nature of every other building within 60 feet of the same to a scale not less than 15 feet to an inch for plans and 4 feet to an inch for sections, and all the principal dimensions shall be figured thereon.

19. Licenses for the storage of calcium carbide may be granted by the Government Agent or Chairman of the Municipality, as the case may be, after the inspection and approval of the premises by the Local Authority.

20. Application for license to store calcium carbide in quantities exceeding 5 lb. should be fully filled up in accordance with the following form of application :—

State Christian name and surname of the applicant
(if a firm the names of each member in full, if a
company the name of the company and its secre- } _____
tary

State situation of the premises for which the license
is required } _____

State quantity desired _____

State if the carbide will be kept and sold unopened
in the vessels in which it is received, and if not, } _____
what will be done with it

State in what description of vessel the carbide will be
kept, capacity of vessel, how closed against mois- } _____
ture, and of what material constructed

State (a) in what part of the premises the carbide
is to be kept, (b) the construction of the store, } _____
(c) if the store is used for other purposes, and if
so, what

State if the carbide is to be used for the manufacture
of acetylene gas, and if so state :— } _____
(a) The maker and capacity of the generator
(b) Particulars as to the building in which it will be
placed if detached from other buildings, and if
used for other purposes
(c) How you propose to dispose of the residue
(d) If the machine will be in sole charge of a } _____
person properly instructed in its management

Signature of Applicant _____

Trade _____

Postal Address _____

Date _____

21. Strong metal vessels so constructed and closed as to exclude water and atmospheric moisture shall be used for keeping carbide of calcium, and these vessels should only be opened during such time as is necessary for the removal of the required portion of the contents or for refilling.

22. The maximum contents shall not exceed 140 lb.

23. Copper shall not be used in the construction of the vessel.

24. Not more than one vessel shall be opened at one time.

25. Every storage vessel of a greater capacity than 2 lb. shall be secured by a lock and key or be kept in a locked receptacle, so as to prevent unauthorized persons from having access to the contents.

26. Carbide of calcium shall only be conveyed to and from the licensed premises in closed vessels.

These vessels shall be so constructed and closed as to exclude water and atmospheric moisture.

27. Carbide of calcium conveyed to or from licensed premises must be conveyed in accordance with the condition of the license.

28. Rules for transport of calcium carbide will be of the same nature as those for petroleum, also licenses to convey.

29. Apparatus for generating and storing acetylene gas yielded by carbide of calcium must be placed in a well ventilated outbuilding and no artificial light capable of igniting inflammable gas shall be taken into or near the building used for this purpose. An exception to this will be made in the case of portable apparatus taking a charge not exceeding 2 lb. of carbide.

30. Every apparatus (including generator and gas holder) used for generating and holding acetylene gas must be so constructed and used as to guard against the special risks, therefore :—

(a) Copper must not be used in the construction of any part of the apparatus.

(b) The various parts of the apparatus must be of adequate strength.

(c) Escape of gas from the apparatus must be carefully guarded against, and provision must be made against the occurrence of undue pressure by the employment of a safety valve connected with a pipe discharging into the open air.

The apparatus must also be furnished with a pressure gauge.

(d) Satisfactory provision must be made against dangerous development of heat.

(e) The residue of carbide must be mixed with at least ten times its bulk of water on being removed from the generator.

(f) No person shall have charge of an apparatus until he has been properly instructed in its management.

31. Licenses will be granted for keeping carbide of calcium for periods not exceeding one year, and prior to expiration application must be made for their renewal.

32. On the doors of each store licensed for calcium carbide shall be painted the words "Licensed Calcium Carbide Store."

33. Penalties as for petroleum, as per rules 20 to 27.

34. The quantity of calcium carbide which may be kept without a license shall be as follows :—

(a) Where it is kept in separate substantial hermetically closed metal vessels containing not more than 1 lb.	...	5 lb.
(b) Where it is kept otherwise	...	None

Revenue, 1901.

REVENUE.	January to November.		December.		Total.	
	Rs.	c.	Rs.	c.	Rs.	c.
1. Customs	6,368,273	9	642,093	69	7,010,366	78
2. Port, Harbour, Wharf, and Lighthouse Dues	1,222,276	20	107,238	17	1,329,514	37
3. Licenses, Excise, and Internal Revenue not otherwise classified	5,352,230	70	506,723	75	5,858,954	45
4. Fees of Court or Office, Payment for Specific Services, and Reimbursements in Aid	1,609,971	1	136,366	17	1,746,337	18
5. Post and Telegraph	864,992	30	115,981	62	980,973	92
6. Government Railways	7,234,822	79	732,869	35	7,967,692	14
7. Rent of Government Property	103,574	33	11,151	28	114,725	61
8. Interest...	315,835	94	110,519	74	426,355	68
9. Miscellaneous Receipts	66,819	58	11,645	57	78,465	15
10. Sale of Government Property	294,292	60	71,756	85	366,049	45
11. Land Sales	23,433,088	54	2,446,346	19	25,879,434	73
Total, exclusive of Land Sales	466,816	31	90,460	60	557,276	91
Total	23,899,904	85	2,536,806	79	26,436,711	64

Audit Office,
Colombo, January 21, 1902.

F. R. ELLIS,
Acting Auditor-General.

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A. G. CLAYTON,
Government Recordkeeper.

Colonial Secretary's Office,
Colombo, November, 1901.

THE CEYLON GOVERNMENT GAZETTE is published every *Friday* at the Government Printing Office, Colombo.

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H. C. COTTLE,
Acting Government Printer.

THE "KEW BULLETIN" of miscellaneous information is issued as an occasional publication from the Royal Gardens at Kew.

It contains notes on the economic products of plants which have been made the subject of particular study and investigation at Kew, and it is intended to be a means of communication to persons interested in Botanical subjects and products in India and the Colonies.

The "Bulletin" is published in London by Messrs. Eyre & Spottiswoode, East Harding street, Fleet street, E.C., and 32, Abingdon street, S.W., and it may be obtained directly from them or through any bookseller.

Price 4d. per copy. By post, 5d. per copy.

Back numbers, previous to January, 1893, 2d. per copy when available.

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Price.	Price including Postage.	
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s. d.	s. d.	s. d.
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The annual Volumes for 1887 to 1890 are out of print and cannot now be supplied.

The Index to the first five volumes, being Appendix IV., 1891, may be had separately, price 3d.

The "Bulletin" is also sold by John Menzies & Co., of Edinburgh and Glasgow; and Hodges, Figgis & Co., Limited, of Dublin.

Colonial Secretary's Office,
Colombo, November, 1901.

CAMBRIDGE LOCAL EXAMINATIONS 1902.

AN Examination of Senior and Junior Candidates, in accordance with the Regulations of the Revised Code, will be held at Colombo, Kandy, Galle, Jaffna, and Batticaloa on December 15, 1902, and the following days.

Forms of entry duly filled up should be sent to the Director of Public Instruction not later than August 4, together with the following fees, which should be paid as follows :—

- (1) A Bank draft on England payable to Dr. J. N. Keynes, crossed "Barclay & Co.", at the rate of £1 for each candidate, as the Cambridge fee.

N.B.—The fees should not under any circumstances be remitted by Money Order. *No cash, or Money order, Bank draft, or cheque in favour of the Director of Public Instruction will be accepted.*

- (2) A Post Office order (not Postal order), Bank draft, or crossed cheque in my favour at the rate of Rs. 2.50 for each candidate, as the local expenses fee. *Cash will not be accepted.*

N.B.—Forms of entry will be accepted from August 5 to August 16 inclusive on payment of an extra fee of Rs. 5.

Forms of entry may be had from the Director in the first week in July. It is requested that Managers will only apply for such number of forms as they actually require, and that they will not encourage any student to enter as a candidate unless they are satisfied that he has a fair chance of passing the examination.

Applications for entry forms should be made from the first week in July, 1902, stating what kinds of entry forms, C, D, E, or F, and the number of forms of each kind are required.

Religious Knowledge, as a subject of examination, is not necessary for Colonial Students, and no grant or award under the Revised Code will be made directly or indirectly dependent on marks gained for Religious Knowledge.

Candidates (whether under age or over age) must forward with their entry forms certificates of the registration of their birth, unless such a certificate has been sent to this office for a previous examination. Those who have already forwarded certificates of birth for a previous examination *should mention the year and the examination for which they forwarded the certificates.* Affidavits will not be accepted *under any circumstances.*

Fees cannot be returned. If notice of withdrawal is received by the Local Secretary more than sixteen days before the commencement of the examination, a voucher will be sent, which will enable the student to enter in another year without further fee to the University, subject to the usual conditions of age. The Syndicate do not undertake to grant a similar voucher in any case in which the full sixteen days' notice has not been given. Applications made within sixteen days of the examination will, however, be considered, if accompanied by a medical certificate, stating that the candidate is physically unfit to take the examination. No applications received after the commencement of the examination can be considered. Students holding vouchers must apply for fresh forms of entry and return them to Local Secretaries on or before August 16 in the year in which they wish to be examined, together with the local expenses fee of Rs. 2.50 (*vide* section 2 of clause 2).

N.B.—The Mathematical Prize will be awarded on the results of the Cambridge Senior Local Examination of December, 1902, to the candidate, under 19 years of age, who passes the best examination in Mathematics.

Office of the Director of Public Instruction,
Colombo, January 20, 1902.

J. HARWARD,
Acting Director.

NOTES.

Senior Students can now be examined, under certain conditions, in spoken French and spoken German. (See page 133.)

New sections, including Agricultural Science, Book-keeping, Mensuration and Surveying, and Shorthand, have been added to the Syllabus for Senior Students.

Changes have been made in the arrangement of the sections of the Senior Local Examination, and the conditions for obtaining a certificate have been modified.

In future Greek History and Roman History will be included in the Syllabus for Senior Students only in alternate years. For the examination in 1902 the subject will be Roman History.

The History of the British Empire has been made a subject of examination for both Seniors and Juniors.

A change has been made in the requirements in Geography for both Seniors and Juniors.

The conditions for obtaining a Junior Local Certificate have been modified.

Morning and Evening Prayer in the Book of Common Prayer has been introduced as a subject in the Religious Knowledge Section of the Junior Local Examination.

The conditions of qualification for registration of Medical or Dental Students have been modified so far as the Junior Local Examination is concerned.

The special subjects of examination in December of any year will in future be announced in September of the preceding year.

The arrangement of the Time Tables has been modified.

EXAMINATION OF JUNIOR STUDENTS.

* * * In mentioning certain editions of the subjects selected for examination, the Syndicate have no desire to exclude from use other editions which now exist or may hereafter be prepared.

No one born before December 15, 1886, can be admitted as a Junior Student under the ordinary conditions. Those born before December 15, 1886, may be admitted to the Examination, but they can obtain a Pass Certificate only and are not eligible for marks of distinction.

PART I.—COMPULSORY.

Every Student will be required to satisfy the Examiners in (1) Writing from Dictation, and (2) Arithmetic.

PART II.

The Examination will comprise the subjects mentioned in the following thirteen sections. Students will be required to satisfy the Examiners either (a) in three of the sections 1-10, or (b) in two of the sections 1-10, together with two subjects* out of any other two of the sections. No student may enter for subjects in more than seven of the sections 1-10, or in more than eight sections altogether. One at least of the five subjects of section 1 must be taken by all students, unless their parents or guardians object to their examination in that section.

N.B.—No student can take two papers set at the same time in the Time Table.

A certain number of marks will be assigned to Handwriting. Composition will be taken into account.

Section 1.—RELIGIOUS KNOWLEDGE :

Questions will be set on (a) I *Samuel* ; (b) the Gospel of *St. Mark*, credit being given for a satisfactory knowledge of the original Greek [or, for Jewish Students only, *Ezra*, *Nehemiah*, *Jeremiah* xxvi-xxviii, xxxiv-xliv, lii, credit being given for a satisfactory knowledge of the original Hebrew]; (c) the *Acts of the Apostles*, xiii-xxviii; (d) the Church Catechism; (e) *Morning and Evening Prayer* in the Book of Common Prayer. In New Testament subjects special papers in which the Douay Version is used will be prepared for candidates who have been accustomed to the use of that version.†

To pass in this section students must satisfy the Examiners in (b), and in one of the subjects (a), (c), (d), (e), to each of which the same credit is given. No student will be examined in more than one of the subjects (a), (c), (d), (e).

Section 2.—ENGLISH LANGUAGE AND LITERATURE :

(a) *English Grammar*, including parsing and the analysis of sentences. Candidates will be required to write a short *English Essay*.

(b) †*Shakespeare, A Midsummer Night's Dream*.

(c) †*Scott, The Lady of the Lake*.

To pass in this section students must satisfy the Examiners in (a) and either in (b) or in (c). No student will be examined in both (b) and (c).

Section 3.—HISTORY AND GEOGRAPHY :

(a) Outlines of the *History of England* to A.D. 1215.

(b) Outlines of the *History of the British Empire* from A.D. 1492 to A.D. 1784.‡

(c) Outlines of *Roman History* from B.C. 266 to B.C. 133.

(d) The Geography of *Great Britain and Ireland*; *America, South of Mexico*; and *Australasia*. An outline map will be given to be filled up by inserting and naming the chief ranges of mountains, the chief towns, the chief lakes and rivers, and the political divisions, and by naming the chief features of the coast line, of some part of these portions of the world. Questions will be set requiring knowledge of the outlines of Physical Geography. Importance will be attached to a knowledge of the relation between the physical features of a country and its political and commercial geography. (Medal, see p. 133.)

To pass in this section students must satisfy the Examiners in either (a), (b), or (c), and also in (d). No student will be examined in more than one of the three subjects (a), (b), (c).

Section 4.—LATIN (see notes A, B): Papers will be set containing passages from †*Caesar, de Bello Gallico I.*, from †*Ovid, Metamorphoses VIII.*, and from †*Virgil, Æneid V.*, for translation into English. No student can take more than one of these three authors.

Section 5.—GREEK (see note A): Papers will be set containing passages from *Xenophon, Anabasis I.*, from †*Homer Iliad IX.*, and from †*Euripides, Alcestis* (omitting lines 86-136, 213-244, 435-475, 569-605, 962-1005), for translation into English. No student can take more than one of these three authors.

Section 6.—FRENCH (see notes A, B, C, and the footnote ||): Passages will be given for translation into English from *Erckmann-Chatrian, Waterloo*, chapters 14-end, and from †*Malot, Remi et ses Amis*. No student can take both these authors.

Section 7.—GERMAN (see notes A, B, C): Passages will be given for translation into English from †*Hauff, Die Karawane* (omitting *Die Errettung Fatme's*), and from †*Schiller, Maria Stuart*. No student can take both these authors. In writing German in the Examination, students are advised to use the English character, but the use of the German character is not forbidden.

Section 8.—SPANISH (see notes A, B, C): Passages will be given for translation into English from *Hurtado de Mendoza, Morceaux Choisis de la Guerre de Grenade* (Hachette Co.).

A.—*In the examination in Latin, Greek, French, German, and Spanish*: (1) Questions will be set on grammar and parsing. Questions may also be set on historical and geographical allusions and on the metre of verse subjects. Without a fair knowledge of Accidence, a student cannot pass. (2) One or more easy passages not contained in the books named will be set for translation into English, a vocabulary of the less familiar words being given. Students are required to satisfy the Examiners in this part of the paper; but in cases of failure the translation of the unprepared passages of ordinary difficulty may be taken into account. (3) One or more passages of ordinary difficulty not contained in the books named will be set for translation into English. In order to obtain the mark of distinction students will be expected to do fairly well in this part of the paper.

B.—*In the examination in Latin, French, German, and Spanish*: One or more passages will be set for translation from English into the language. A student cannot obtain the mark of distinction in the language without satisfying the Examiners in this part of the paper.

C.—*In the examination in French, German, and Spanish*: Alternative questions will be provided for students who prefer to be examined in the language generally and not in any set book.

* Any one of the sections 11, 12, 13 may count in the place of one of these two subjects.

† Candidates wishing to avail themselves of this arrangement must make a statement to that effect in their forms of entry; if they omit to do so, they cannot be allowed to take the special papers.

‡ Pitt Press Texts.

§ The paper will be on the topics treated of in *Jose's Growth of the Empire* (Murray) or *Woodward's Expansion of the British Empire* (Cambridge University Press) or any similar work.

|| The concessions, respecting the simplification of the teaching of French Syntax, specified in the Decree, dated February 26, 1901, of the French Minister of Public Instruction will be recognized.

Section 9.—MATHEMATICS.

(a) EUCLID.—Candidates can satisfy the Examiners in this subject by doing sufficiently well in Euclid, Books I. and II. Questions will also be set on Euclid, Books III., IV., and VI. Two and a half hours will be allotted to the paper, which will consist of two parts: the first part will contain bookwork questions only, and the answers to this part will be collected at the end of the first hour and a half; the second part will contain easy geometrical exercises.

Proofs other than Euclid's will be admitted, but no proof of any proposition will be accepted which requires the assumption of anything not assumed by Euclid or proved in preceding propositions in Euclid.

(b) ALGEBRA.—Candidates will be required to satisfy the Examiners in definitions and explanations of algebraical signs and terms; addition, subtraction, multiplication, and division of algebraical quantities; theory of indices; greatest common measure and least common multiple; extraction of the square root; the solution of easy equations of the first degree and questions producing such equations, and the solution of easy quadratic equations involving one unknown quantity. Questions will also be set on quadratic equations, the elementary rules of ratio and proportion, arithmetical and geometrical progressions, permutations, combinations, and the binomial theorem with positive integral exponents.

(c) PLANE TRIGONOMETRY, including the solution of triangles and the use of logarithms.

(d) ELEMENTARY MECHANICS.—Questions will be set on the composition and resolution of forces acting in one plane at a point, parallel forces, the mechanical powers, the properties of the centre of gravity, the composition and resolution of velocities and accelerations in one plane, rectilinear motion under uniform acceleration, Newton's laws of motion, Atwood's machine.

To pass in this section students must satisfy the Examiners in Euclid and in Algebra. Euclid and Algebra, if done well enough, are sufficient for the mark of distinction.

Section 10.—NATURAL SCIENCE:

I. (a) ELEMENTARY EXPERIMENTAL SCIENCE.*—Students will be expected to show that they have acquired a practical acquaintance with the elements of physical and chemical measurement, and with the properties of common substances as ascertained by simple experiments.† Three papers will be set, one of which will be a practical examination.

I. (b) ZOOLOGY.—Questions of an elementary nature will be set upon the following groups: Protozoa, Coelenterata, Annelida, Arthropoda, Mollusca, Echinodermata, Pisces, Amphibia, Reptilia, Aves, Mammalia.

Candidates will also be required to show an acquaintance with the external features and habits of the more familiar examples of these groups. Specimens will be provided for description, and special weight will be given to this part of the examination. Students should bring a pocket lens.

I. (c) BOTANY.—Elementary questions will be set upon the general morphology, physiology, and classification of plants, including (i.) the external forms of plants and the relation of the parts of plants to one another and to the plant as a whole; (ii.) the absorption of food materials, and the various processes which are involved in the life functions of plants; (iii.) the elementary facts of plant structure so far as they are necessary to render intelligible the principles of vegetable physiology; (iv.) the outlines of the classification of the Plant Kingdom and the classification of flowering plants, with special reference to the following Natural Orders: Ranunculaceæ, Papaveraceæ, Cruciferae, Malvaceæ, Caryophyllaceæ, Leguminosæ, Rosaceæ, Umbelliferae, Compositae, Primulaceæ, Boraginæ, Scrophulariaceæ, Labiatae, Liliaceæ, Amaryllidæ, Iridaceæ, Orchidaceæ‡. Specimens (not necessarily confined to the Natural Orders specified above) will be provided for description, and special weight will be given to this part of the examination; arrangements will be made for Colonial centres. Students should bring a pocket lens and a dissecting needle.

I. (d) PHYSICAL GEOGRAPHY.—Elementary questions will be set on the present physical condition of the Earth, and on the physical agencies modifying its surface or affecting the conditions of life upon it.† (Medal, see p. 133.)

II. (a) CHEMISTRY†.

II. (b) PRACTICAL CHEMISTRY†.—*Alternative papers are set in this subject, one on Friday, the other on Saturday; candidates must state in their forms of entry which paper they will take.*

II. (c) THE EXPERIMENTAL LAWS OF HEAT.

II. (d) ELECTRICITY AND MAGNETISM.—The questions will be principally such as will test the candidates knowledge of the subject as gained from a course of experimental instruction†.

II. (e) PHYSIOLOGY AND HYGIENE.—Candidates will be expected to show (i.) an elementary knowledge of the general build of the body, and of the structure and functions of the organs and tissues concerned with the following processes: Muscular Movement, Circulation, Respiration, Digestion, Nutrition, and Excretion; and a rudimentary acquaintance with the structure and functions of the Nervous System and of the organs of the Special Senses; (ii.) an elementary acquaintance with the laws of Health depending directly on the above specified physiological processes. The knowledge required for (i.) may be obtained from Foster's *Primer of Physiology* with Foster and Shore's *Physiology for Beginners*, or from similar elementary books; for (ii.) from Reynolds' *Primer of Hygiene*.

To pass in this section students must satisfy the Examiners in one of the subjects marked I. or in two of those marked II.; they may enter for not more than three subjects, not more than two of which may be from the group marked I. Students taking I. (a) may not take any of the other subjects in the section; no student may take two papers set at the same time in the Time Table.

Section 11.—(a) SHORTHAND. The students will take down passages read aloud, and will afterwards transcribe them. Passages will be dictated at the rates of fifty words and eighty words per minute. (Medal see p. 133.)

(b) BOOK-KEEPING. Questions will be set on Book-keeping by double entry. Ruled forms will be provided for the candidates.

To pass in this section students must satisfy the Examiners in one at least of the subjects (a), (b).

Section 12.—(a) FREE-HAND DRAWING, (b) MODEL DRAWING, (c) GEOMETRICAL DRAWING. To pass in this section students must satisfy the Examiners in two of these three subjects. *Alternative papers are set in Geometrical Drawing, one on Monday, the other on Friday. Only those candidates who are taking either Mechanics or Physiology and Hygiene may take Geometrical Drawing on Friday.*

* This subject can be taken at those centres only at which a suitable laboratory and apparatus can be provided for the practical examination.

† A detailed schedule can be obtained on application to the General Secretary. The schedules for 1902 are identical with those for 1901.

‡ A modified list of Natural Orders for Colonial and Foreign centres can be obtained from the Local Secretaries at those centres.

Section 13.—MUSIC. Questions will be set on Notation; on Scales, Clefs, Keys, Intervals, Time; on the Marks and Terms generally employed in Music; on Cadences. Exercises will be set, in not more than four parts, on Triads and their Inversions, in which the highest or the lowest part or both will be given. *Alternative papers are set in this subject, one on Friday, the other on Saturday; candidates must state in their forms of entry which paper they will take.*

EXAMINATION OF SENIOR STUDENTS.

* * * In mentioning certain editions of the subjects selected for examination, the Syndicate have no desire to exclude from use other editions which now exist or may hereafter be prepared.

No one born before December 15, 1883, can be admitted as a Senior Student under the ordinary conditions. Those born before December 15, 1883, may be admitted to the examination, but they can obtain a Pass Certificate only, and are not eligible for marks of distinction.

PART I.—COMPULSORY.

Every student will be required to satisfy the Examiners in the principles and practice of Arithmetic.

PART II.

The examination will comprise the subjects mentioned in the following fourteen sections. Every student will be required to satisfy the Examiners in at least three of the sections 1—11*, or in two of the sections 1—11, together with one of the sections 12—14. No student may enter for subjects in more than seven of the fourteen sections. One at least of the four subjects of section 1 must be taken by all students, unless their parents or guardians object to their examination in that section.

N.B.—No student can take two papers set at the same time in the Time Table.

Section 1.—RELIGIOUS KNOWLEDGE :

The examination will consist of questions on (a) 1 *Samuel*; (b) the Gospel of *St. Mark*, credit being given for a satisfactory knowledge of the original Greek (or, for Jewish students only, *Ezra*, *Nehemiah*, *Jeremiah*, xxvi—xxviii, xxxiv—xliv, lii, credit being given for a satisfactory knowledge of the original Hebrew); (c) the *Acts of the Apostles* xiii—xxviii; (d) *Morning and Evening Prayer* and *The Litany* in the Book of Common Prayer: especial attention must be paid to the Apostles' Creed. In New Testament subjects special papers in which the Douay Version is used will be prepared for candidates who have been accustomed to the use of that version †.

To pass in this section students must satisfy the Examiners in (b), and in one of the subjects (a), (c), (d), to each of which the same credit is given. No student will be examined in more than one of the three subjects (a), (c), (d). Credit will be given for a knowledge of the Revised Version.

Section 2.—ENGLISH LANGUAGE AND LITERATURE.

(a) English Composition.

(b) English Grammar, including parsing and the analysis of sentences. Candidates will be expected to show some knowledge of the history of the English Language.

(c) *Addison: Arnold's Selections from The Spectator* (Clarendon Press), pp. 1—62, 111—122, 378—394.

(d) † *Shakespeare: A Midsummer Night's Dream*.

(e) *Milton: Comus, Lycidas, Sonnets 1, 2, 8—23*.

To pass in this section students must satisfy the Examiners in (a) and two other subjects; they may not take both (b) and (c) or both (d) and (e).

Section 3.—HISTORY, GEOGRAPHY, & C.

(a) History of England, to A.D. 1215.

(b) History of the British Empire, A.D. 1492 to A.D. 1784 §.

(c) Roman History, B.C. 266 to B.C. 133 ||.

(d) The Geography of *Great Britain and Ireland*; *America, South of Mexico*; and *Australasia*. Questions will be set requiring knowledge of the outlines of Physical Geography. Importance will be attached to a knowledge of the relation between the physical features of a country and its political and commercial geography. (Medal, see page 133).

(e) The Elements of POLITICAL ECONOMY.

(f) The Elements of LOGIC.

To pass in this section students must satisfy the Examiners in two of the subjects; they may not take more than one of the three (a), (b), (c), or of the two (e), (f).

Section 4.—LATIN (see notes A, B): Passages will be given for translation into English from † *Ovid, Metamorphoses VIII.*; † *Terence, Hautontimorumenos*; † *Livy II.*, 1—41; † *Cicero, Pro Milone*. Students must select one verse and one prose author from these four.

Section 5.—GREEK (see note A): Passages will be given for translation into English from † *Homer, Iliad IX.*, X., 1—298; † *Euripides, Alcestis*; † *Thucydides, VII.*, 1—54; † *Xenophon, Memorabilia II*. Students must select one verse and one prose author from these four.

Section 6.—FRENCH (see notes A, B, C, and the footnote || on page 128): Passages will be given for translation into English from † *Molière, Le Misanthrope*, and from *Erckmann-Chatrion, Waterloo*, chapter 14 to end.

Section 7.—GERMAN (see notes A, B, C): Passages will be given for translation into English from † *Schiller, Maria Stuart*, and from † *Sybel, Prinz Eugen von Savoyen*. In writing German in the examination students are advised to use the English character, but the use of the German character is not forbidden.

* Two subjects (other than English Composition) out of any two of the sections 1—11 will be accepted in lieu of one complete section in the case of candidates who have satisfied the Examiners in at least one of the sections 4—9.

† Candidates wishing to avail themselves of this arrangement must make a statement to that effect in their forms of entry; if they omit to do so, they cannot be allowed to take the special papers.

‡ Pitt Press Texts.

§ The paper will be on the topics treated of in Jose's *Growth of the Empire* (Murray) or Woodward's *Expansion of the British Empire* (Cambridge University Press) or any similar work.

|| For 1903, a period of Greek History, but not a period of Roman History, will be set.

Section 8.—SPANISH (see notes A, B, C): Passages will be given for translation into English from *Huerta de Mendoza*, *Morceaux Choisis de la Guerre de Grenade* (Hachette and Co.), and from *Cervantes, The Adventure of the Wooden Horse and Sancho Panza in Barataria* (Clarendon Press).

A.—*In the Examination in Latin, Greek, French, German, and Spanish*: (1) Questions will be set on the language and subject-matter. Questions may also be set upon the metre of verse subjects. Without a fair knowledge of Grammar a student cannot pass. (2) One or more easy passages not contained in the books named will be set for translation into English, a vocabulary of unfamiliar words being given. Students are required to satisfy the Examiners in this part of the paper; but in cases of failure the translation of the unprepared passages of ordinary difficulty will be taken into account. (3) One or more passages of ordinary difficulty not contained in the books named will be set for translation into English. In order to obtain the mark of distinction students will be expected to do fairly well in this part of the paper.

B.—*In the Examination in Latin, French, German, and Spanish*: One or more passages will be set for translation from English into the language. A student cannot obtain the mark of distinction in the language without satisfying the Examiners in this part of the paper.

C.—*In the Examination in French, German, and Spanish*: Alternative questions will be provided for students who prefer to be examined in the language generally and not in any set book.

Section 9.—MATHEMATICS. Every student who is examined in this section will be required to satisfy the Examiners in (1) PLANE GEOMETRY, viz., EUCLID, Books I., II., III., IV., VI., and XI. to Prop. 21 inclusive, and in (2) ALGEBRA, viz., definitions and explanations of algebraical signs and terms; addition, subtraction, multiplication, and division; theory of indices; greatest common measure and least common multiple; extraction of the square root, the solution of simple and quadratic equations, and of problems producing such equations; the elementary rules of ratio and proportion; arithmetical, geometrical, and harmonical progressions; permutations, combinations, the binomial theorem; elementary theorems on convergency of series and the theory of logarithms. Some easy questions will also be set on the more advanced parts of ALGEBRA. Proofs other than Euclid's will be admitted, but no proof of any proposition will be accepted which requires the assumption of anything not assumed by Euclid or proved in preceding propositions in Euclid. Euclid and Algebra, if done well enough, are sufficient for the mark of distinction.

Questions will also be set in the following subjects: (3) PLANE TRIGONOMETRY, inclusive of the use of the Exponential Theorem, De Moivre's Theorem, and the expansions of $\sin \theta$ and $\cos \theta$ in powers of θ . (4) CONIC SECTIONS treated both geometrically and by easy analytical geometry. (5) APPLIED MATHEMATICS, including ELEMENTARY STATICS, viz., the fundamental ideas of mass, weight, and density, the equilibrium of forces acting in one plane, the properties of the centre of gravity, the laws of friction, the mechanical powers, and the principle of virtual work; and ELEMENTARY DYNAMICS, viz., the laws of motion and simple applications of them, uniform and uniformly accelerated motion in a straight line, Atwood's machine, projectiles, impact of smooth bodies.

Section 10.—NATURAL SCIENCE:

I. (a) ZOOLOGY.—Questions will be set in the subject as defined for Junior Students, but a knowledge of the characteristics of the *main subdivisions* of the groups mentioned will be required.

Candidates will also be expected to show a knowledge of the life-history of the following organisms and a practical acquaintance with their structure: Amoeba, Vorticella (Bell animalcule), Hydra, Earthworm, Crayfish, Frog. Specimens will be provided for description, and special weight will be given to this part of the examination. Students should bring a pocket lens.

I. (b) BOTANY.—Questions will be set in the subject as defined for Junior Students, with the addition of the following Natural Orders: Violaceae, Geraniaceae, Rubiaceae, Dipsacae, Campanulaceae, Ericaceae, Solanaceae, Euphorbiaceae, Corylaceae, Cyperaceae, Gramineae, and also the life-history of a typical Moss and Fern and of Pinus.* For distinction students will be expected to show also a practical acquaintance with the physiology, the life-history (including development), and the structure (morphology and minute anatomy) of the following organisms: Saccharomyces (Yeast); Pleurococcus; Mucor (a Mould); Spirogyra; Fucus (Brown Seaweed); Fern; Flowering plant (Conifer, Monocotyledon, Dicotyledon). Students should bring a pocket lens and a dissecting needle.

I. (c) PHYSICAL GEOGRAPHY.—Questions will be set on the present physical condition of the earth, and the physical agencies modifying it or affecting the conditions of life upon it.† (Medal, see page 133.)

II. (a) CHEMISTRY.†

II. (b) PRACTICAL CHEMISTRY.—Alternative papers are set in this subject, one on Friday, the other on Saturday; candidates must state in their forms of entry which paper they will take.

II. (c) The elementary principles of STATICS, DYNAMICS, AND HYDROSTATICS, as illustrated by simple experiments, common observation, or the action of well-known machines.

II. (d) The fundamental laws of HEAT and the experiments which illustrate them.

II. (e) The fundamental laws of LIGHT and the experiments which illustrate them.

II. (f) The fundamental laws of ELECTRICITY AND MAGNETISM and the experiments which illustrate them.

II. (g) PHYSIOLOGY AND HYGIENE.—Questions will be set in the subject as defined for Junior Students, but a fuller and more detailed knowledge will be required. In addition to a knowledge of the subject as treated of in the books mentioned for Junior Students, a fuller acquaintance with the subject as treated in Huxley's *Elementary Physiology* or in any similar work, and in the more elementary parts of Willoughby's *Public Health* or Notter and Firth's *Hygiene* will be required.

To pass in this section students must pass in one of the subjects marked I. or in two of the subjects marked II.; they may enter for not more than three subjects, not more than two of which may be from the group marked I.; they may not take two papers set at the same time in the Time Table.

Section 11.—AGRICULTURAL SCIENCE.—Two papers will be set, and they will include questions on Agricultural Botany and Chemistry and on the Principles of Agriculture. Detailed schedules can be obtained on application to the General Secretary. Students entering for the section must take both the papers.

Section 12.—(a) BOOK-KEEPING. Questions will be set on book-keeping by double entry. Ruled forms will be provided for the candidates.

(b) MENSURATION AND SURVEYING.—Questions will be set on Mensuration and on the Elements of Land Surveying and Levelling. Candidates should provide themselves with rulers, scales, &c.

(c) SHORTHAND.—Students will be required to take down passages read aloud and afterwards to transcribe them. Passages will be dictated at the rates of seventy words and ninety words per minute.

To pass in this section students must satisfy the Examiners in (a), and also in (b) or (c). No student may take both (b) and (c).

* See note † on p. 129.

† Detailed schedules can be obtained on application to the General Secretary. The schedules for 1902 are identical with those for 1901. The examination in Senior Practical Chemistry can be held only at centres at which a properly equipped laboratory is available for the purpose.

Section 13.—DRAWING: (a) FREEHAND, (b) from MODELS, (c) in PERSPECTIVE, and (d) IMITATIVE COLOURING (water colour).—To pass in this section students must satisfy the Examiners in (a) and in one at least of the other divisions. No student may enter for both (c) and (d).

Section 14.—MUSIC.—Questions will be set on Notation; on Scales, Clefs, Keys, Intervals, Time; on the Marks and Terms generally employed in Music; on Cadences; on Triads and Chords of the Dominant Seventh and their Inversions; Single Suspensions; Rhythmical Phrasing. Exercises will be set (on the above Chords) in not more than four parts, in which the highest or the lowest part or both will be given.

CLASS LISTS AND CERTIFICATES.

The names of the boys who pass with credit will be arranged in three honour classes, the first class of juniors being further subdivided into two divisions. In each of these classes and divisions, and also in the list of those who pass to the satisfaction of the Examiners, yet not so as to deserve honours, the candidates will be arranged in alphabetical order under the several centres. After the name of every boy will be added the school (if any) from which he comes to attend the examination and the name of his schoolmaster. *The names of those who pass the Preliminary Local Examination between the ages of 14 and 16, of those who pass the examination for Juniors above the age of 16, and of those who pass the examination for Seniors above the age of 19, will be placed in lists by themselves, in alphabetical order, not in any class of honours.* Similar classes and lists will be drawn up for girls.

Separate lists will also be given of those junior candidates under the age of 16, and of those senior candidates under the age of 19, who may specially distinguish themselves in particular parts of the examination, and in these lists the candidates will be arranged in order of merit.

The classes of honours are determined solely by the total number of marks obtained by the student. No marks are counted for any subject unless the student passes in that subject. Regard is paid to handwriting and spelling.

The students who pass with credit or satisfy the Examiners will receive certificates to that effect, which will be sent to them through the Local Secretaries. Every certificate will specify the subjects in which the student has passed with credit or satisfied the Examiners, and the class obtained, if any.

DETAILED REPORTS.

After the class lists have been issued in each year, the Syndicate will be prepared to inform the principals of schools, on receipt of a payment of one shilling for each student, of the manner in which their pupils have acquitted themselves in the several subjects in which they have been examined, describing each as *good, moderately good, &c.*; and also to place their pupils in order of merit among themselves in each subject and on the whole examination. If in any year applications are made by a school on behalf of more than fifty students, the fee payable for each student at that school after the first fifty will be sixpence.

EXEMPTIONS FROM VARIOUS EXAMINATIONS, &c.

[The Syndicate do not hold themselves responsible for any error caused by changes in requirements with which they have not been made acquainted. Students are referred to the published regulations of the respective institutions.]

A. UNIVERSITY OF CAMBRIDGE: PREVIOUS EXAMINATION.—The following are the conditions under which a candidate in the Senior Local Examination is entitled to exemption from parts or the whole of the previous examination (see ^o on the following page):—

(1) From part I. if the candidate has at one and the same examination shown a sufficient degree of merit in the Gospel (including the Greek text), in Latin, and in Greek.*

(2) From part II. if the candidate has at one and the same examination shown a sufficient degree of merit in Arithmetic, in Euclid, in Algebra, in Religious Knowledge or Logic, and in English Composition.†

(3) From the additional subjects if the candidate has shown a sufficient degree of merit either in Applied Mathematics or in French or in German.

B. THE SCOTTISH UNIVERSITIES.—The holder of a Senior Certificate is under certain conditions entitled to exemption from portions of the Preliminary Examinations in Arts and Science and in Medicine of the Scottish Universities.

C. THE EDUCATION DEPARTMENT.—The Code for day schools (1901) sanctions the engagement of holders of the Junior Certificate as pupil teachers (articles 35, 40). Holders of the Senior Certificate, who are over 18 years of age, may be recognized as assistant teachers, provided that the certificate includes English (article 51b); if they have obtained a Senior Certificate in Honours, including subjects approved by the Department, they may be admitted as King's Scholars (article 115d).

* Exemption from Part I. is granted to a candidate who, being a native of Asia and not of European parentage, has at one and the same examination shown a sufficient degree of merit in Latin, in English Composition, in an English Author, and either in one of the Gospels in the authorized English Version, or in English History; provided that it has been stated in the form of entry that the candidate claims exemption under this clause, and provided further, that evidence satisfactory to the Syndicate is offered showing that the required conditions as to birth and parentage are fulfilled.

† A student who has attained the required standard in Arithmetic, in Euclid, in Algebra, and in Religious Knowledge or Logic, but not in English Composition, is entitled to exemption from Part II. of the previous examination, with the exception of the essay paper.

D. GENERAL MEDICAL COUNCIL.—The holder of a Senior Certificate is qualified for registration as a Medical or Dental Student provided either (1) that the student has at one or at two examinations passed in (a) English Grammar and Composition, (b) Latin, (c) Mathematics, and either (d) Greek or (e) French or (f) German or (g) Spanish; or (2) that the student has at more than two examinations passed in the above-mentioned subjects with distinction either in English Language and Literature or in one of the subjects (b) to (g).

The holder of a Junior Certificate is qualified for registration as a Medical or Dental Student provided that the student (1) has at one and the same examination passed in (a) English Language and Literature, (b) Latin, (c) Mathematics, including Euclid, Books I.—III., and Algebra to quadratic equations involving one unknown quantity, and either (d) Greek or (e) French or (f) German or (g) Spanish; and (2) has either (i.) reached the standard for distinction in one of the subjects (a) to (g), or (ii.) reached an Honours standard on the whole examination or in two of the subjects (a) to (g).

E. INCORPORATED LAW SOCIETY.—Persons who have obtained a Senior or a Junior Certificate are excused the Preliminary Examination before entering into Articles of Clerkship with Solicitors.

F. ROYAL INSTITUTE OF BRITISH ARCHITECTS.—A Senior Certificate or a Junior Honours Certificate exempts the holder from such of the following subjects of the Preliminary Examination as are included in the Certificate:—English Composition, Arithmetic, Euclid, Algebra, Geography, English History, Latin, French, German, Applied Mathematics.

G. INSTITUTE OF CHARTERED ACCOUNTANTS.—Persons who have obtained a Senior Certificate* under certain conditions are exempted from the Preliminary Examination. For further information application should be made to the Secretary of the Institute. Senior candidates who seek exemption from the Preliminary Examination of the Institute (for which Dictation is a compulsory subject) may be examined in Dictation, if they indicate in their forms of entry that they desire to be so examined.

H. THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—The Senior or the Junior Certificate entitles the holder to registration as a Pharmaceutical Student provided that it includes English Grammar and Composition, Latin, French or German or Spanish, Euclid, and Algebra, passed at the same or at not more than two examinations.

I. THE ROYAL COLLEGE OF VETERINARY SURGEONS.—The requirements for admission to the Professional Examination are the same as those for registration as a Medical Student. See D above.

J. LONDON COUNTY COUNCIL.—(a) Junior county scholars vacating their Scholarships in December are allowed six months' extension of their Scholarships, if they pass the Junior Local Examination during the tenure of their Scholarships. (b) Exemption from the preliminary parts of the examination for Intermediate County, Swanley Horticultural, and Domestic Economy Training Scholarships offered by the County Council may be secured in some cases by the Senior and in some cases by the Junior Certificate; particulars may be obtained from the Secretary of the Technical Education Board of the London County Council, 116, St. Martin's Lane, W.C.

K. INSTITUTE OF CHEMISTRY.—The Senior Certificate exempts from the Preliminary Examination if it includes English, Latin, Algebra, Euclid, and one of the following: French, German, Greek, Logic.

* Students desirous of obtaining exemption from Part I., Part II., or the additional subjects of the previous examination may, whether they already hold the Certificate of the Syndicate or not, enter for those subjects alone that are required for the purpose. Students who already hold the Certificate of the Syndicate and desire to add some one or more subjects in order to obtain exemption from a Preliminary Examination, can enter for such subject or subjects alone.* In all such cases the ordinary fee for entrance must be paid.

PRIZES AND MEDALS.

The Syndicate will give prizes to the four candidates who pass the best examination among the senior and junior boys and the senior and junior girls, £12 to each of the two seniors, and £8 to each of the two juniors.

The Council of the Royal Geographical Society offer four silver medals, one for the best senior in Geography (section 3), one for the best senior in Physical Geography (section 10), one for the best junior in Geography (section 3), and one for the best junior in Physical Geography (section 10), if of sufficient merit.

Sir Isaac Pitman & Sons offer two medals, one silver and one bronze, to be awarded to the junior candidates who stand first and second in Shorthand. These medals are open for competition irrespective of the particular systems of Shorthand adopted by the candidates.

The above prizes and medals are not open to juniors above the age of 16, or to seniors above the age of 19.

EXAMINATION IN SPOKEN FRENCH AND SPOKEN GERMAN (SENIORS).

The Syndicate will arrange for the examination of senior candidates in Spoken French and Spoken German at schools at which the authorities are prepared to pay a fee of one guinea for each language (irrespective of the number of candidates) together with the travelling expenses and the hotel expenses (if any) of the Examiner or Examiners.

Applications must reach the General Secretary not later than October 1, and the examination will be held at some time, between October 1 and the commencement of the local examinations, to be fixed by the Syndicate.

Candidates entering for the spoken examination in either language must also enter for the same language in the Senior Local Examination, and if they pass therein and also in the spoken examination, the fact of their having satisfied the Examiners in the spoken examination will be endorsed on their Certificate.

The spoken examination will not be taken into account in determining the position of candidates in the general class list, nor will it be necessary for the mark of distinction in the language. It will, however, be counted towards the mark of distinction in cases where the mark of distinction would not be obtained without it.

Candidates will be required (1) to read aloud a passage of French or German; (2) to write a passage of French or German from dictation; (3) to hold a short conversation in French or German with the Examiner. In 1902 the topics of conversation will be taken partly from chapter 14 to end of *Waterloo*, or from *Maria Stuart*.

* The Junior Certificate entitles to exemption (under certain conditions) only if it was obtained in an examination held before July 1, 1902.

MATRICULATION EXAMINATIONS OF THE UNIVERSITY OF LONDON, 1902 AND 1903.

THE Matriculation Examinations of the University of London for 1902 and 1903 will be held at the Colombo School of Agriculture on the second Monday in January and June and the following days respectively.

2. Candidates should notify to the Director their intention to present themselves at the examination *six clear months prior to the date of such examination*, in order that application may be made in time for the examination papers. Candidates should also notify the optional subject they intend taking up for the examination.

N.B.—Candidates who enter for the examinations as private students should forward with their notifications for admission to the examinations certificates from their private tutors stating their qualifications and whether they have a reasonable chance of passing the examinations.

Certificates of birth (showing that the candidates have completed their sixteenth year) should be forwarded at the same time, the age being reckoned up to, and inclusive of, the first day of the examination. A duly certified copy of the certificate of registration of birth or of the baptismal register is required in every case. Those who have already forwarded certificates of birth for a previous examination should mention the year and the examination for which they forwarded the certificates. A certificate of character and the admission fee of £2 should also be forwarded with the notification for admission to the examination. The admission fee of £2 sterling should be forwarded *by Bank draft only on England payable to the Registrar of the University of London, and not by Money Order*. No cash or Bank draft or Money Order in favour of the Director of Public Instruction will be accepted.

The University fee should not under any circumstances be remitted by the candidates direct to the Registrar of the University of London.

3. If a candidate withdraws his name, or fails to present himself at the examination, or fails to pass it, the fee shall not be returned to him, but he shall be allowed to enter for any subsequent *Matriculation Examination* upon payment, at every such entry, of an additional fee of £1 sterling. The certificate of age need not again be produced.

N.B.—An Indian candidate, who is not resident in the Island, cannot be admitted to the examination unless he shows an attendance of six months or more in one of the English High Schools or Colleges of the Island. He should forward, with his application, a certificate from the Manager or Principal of the High School or College which he has been attending, stating that he has been attending the School or College regularly for a period of six months. He should also forward, in addition to the University fee, a local expenses fee of Rs. 5 by Money Order or Bank draft in favour of the Director of Public Instruction, with his notification for admission to the examination.

Candidates who are not resident in Ceylon will be admitted to any examination of the London University held in Ceylon only when there are candidates from Ceylon for the same examination.

4. The following regulations from the "University Calendar" are published for general information:—

Candidates shall not be approved by the Examiners unless they have shown a competent knowledge in each of the following subjects, according to the details specified under the several heads:—

(1) Latin (two papers); (2) English (two papers); (3) Mathematics (two papers); (4) General Elementary Science (two papers); (5) any one^a of the following languages or Sciences:—Greek; French; German; Sanskrit; † Arabic; † Elementary Mechanics; Elementary Chemistry; Elementary Sound, Heat, and Light; Elementary Magnetism and Electricity; Elementary Botany (one paper).

Three hours will be allowed to every paper.

The following are the particulars of the foregoing subjects of examination:—

I.—LATIN.

A portion to be selected by the Senate one year and a half previously from the under-mentioned works:—†

Virgil.—The *Æneid*.

Horace.—The *Odes*.

Sallust.—The *Conspiracy of Catiline*, or the *War with Jugurtha*.

Cæsar.—The *Gallic War*.

Livy.

Cicero.—*De Senectute* or *De Amicitia*; *Orationes in Catilinam*, *Pro Lege Manilia*, *Pro Archia*, *Pro Balbo*, *Pro M. Marcello*.

Ovid.—*Metamorphoses*, *Epistles*, *Tristia*, and *Heroides*.

One paper shall be set containing passages from the prescribed books to be translated into English, with questions on Grammar, History, and Geography arising out of them.

A second paper shall be set containing easy passages to be translated into English from Latin books not previously prescribed, together with questions on Grammar and simple and easy sentences of English to be translated into Latin.‡

II.—ENGLISH.

English Grammar and Composition, *with elementary questions on the history of the language and literature* (one paper).
History of England to the end of the Seventeenth Century, with the Geography relating thereto (one paper).

III.—MATHEMATICS.

1. *Arithmetic*:

The ordinary Rules and Processes of Arithmetic, including—

Proportion.

Vulgar and Decimal Fractions.

Extraction of the Square Root.

2. *Algebra*:

Addition, Subtraction, Multiplication, and Division of Algebraical Quantities.

Reduction and Manipulation of Algebraical Fractions.

Arithmetical and Geometrical Progression.

Simple Equations and easy Quadratic Equations, *with questions involving their use*.

3. *Geometry*:

The subjects of the first four books of Euclid and simple deductions.

* No credit will be given for more than one of these subjects.

† Candidates desiring to be examined in either Sanskrit or Arabic must give at least six months' notice to the Director of Public Instruction.

‡ For selected portions see Appendix.

§ Special stress is laid on accuracy in the answers to the Grammar questions and on the correct rendering of English into Latin.

IV.—GENERAL ELEMENTARY SCIENCE.

NOTE.—The examination in the subjects specified in the following Syllabus will be more elementary than that in the corresponding subjects included in optional Mechanics, Chemistry, Heat and Light, or Electricity and Magnetism. (See V.—Section 2 on page 136.)

In particular the subjects of the present Syllabus will be treated wherever possible from an experimental point of view, and numerical examples or problems will be restricted to very simple calculations.

Candidates will be expected to have performed or witnessed simple experiments in illustration of the subjects mentioned below :—

I.

Forms of Matter : Solid, Liquid, Gaseous.
 Units of Length, Area, Volume, in the Metric and British systems.
 Units of Time. Relation to the period of the Earth's Rotation.
 Definition of Velocity and Measurement of Uniform Linear Velocity.
 Definition of Acceleration. Measurement of Uniform Acceleration.
 Inertia and Force. The First Law of Motion.
 Mass. Equality of Masses tested by Equality of Weights. Units of Mass in the Metric and British systems.
 Force. Equal Forces produce equal momenta in equal times. A uniform Force produces a uniform Acceleration.
 Motion of Bodies falling from rest.
 The Parallelogram of Forces.
 Moment of a Force.
 Conditions for the Equilibrium of Three Parallel Forces.
 Centre of Gravity. Experimental methods of determining its position.
 Principle of Archimedes. Definition of and simple methods of determining Relative Densities of Solids and Liquids.
 Atmospheric Pressure. The Barometer. Boyle's Law.
 Definitions of Work and Energy.
 General ideas of Energy of Visible Motion, and of the Transformations of Energy.

II.

Distinction of Heat and Temperature.
 Different amounts of Heat absorbed or emitted by equal masses of different materials when heated or cooled through the same range of temperature.
 Expansion by Heat.
 Construction and use of the Mercurial Thermometer.
 Good and bad Conductors of Heat. Convection.
 Change of State. Boiling-point. Melting-point. Latent Heat.
 Laws of Reflection of Light.
 Direction of the deviation of a ray of Light passing from one medium to another.
 The Decomposition of Light by a Prism, and its Recomposition.
 The construction of simple Voltaic Cells.
 Chemical change induced by the Electric Current.

III.

The following operations illustrated by simple examples :—
 Solution ; separation of mixtures of solids by means of solvents ; evaporation ; distillation ; crystallization ; precipitation.
 Mixtures and chemical compounds ; double decomposition ; quantitative character of chemical action.
 The chemical properties of the atmosphere and of the principal substances contained in it. Combustion ; flame ; incandescence.
 The chemical and physical properties of water, and of the elements composing it. Natural waters, their chief impurities ; hardness.
 The chief sources and properties of carbon, sulphur, phosphorus, and chlorine, illustrated, as far as possible, by reference to common substances containing them ; and their chief compounds with hydrogen and oxygen.
 The composition and principal properties of ammonia, potash, soda, lime, magnesia, and the production of salts by their interaction with sulphuric, hydrochloric, or nitric acid ; the composition and principal properties of the naturally occurring forms of silica and calcium carbonate.

V.—SECTION 1. OPTIONAL LANGUAGES.*

One of the following at the option of the candidate :—

1.—Greek.

A portion to be selected by the Senate one year and a half previously from the under-mentioned authors and works :—†

Homer.

Xenophon.

Æschylus.—The Persæ ; Prometheus Vincetus.

Euripides.—Hecuba ; Andromache ; Medea ; Alcestis ; Electra ; Heraclidæ.

Plato.—Crito with Euthyphro ; or Apology.

Lucian.—Selected portions.

The paper in Greek shall contain passages to be translated into English, with questions arising out of the book selected, and with general questions in Grammar.‡ Short and easy passages shall also be set for translation from other books not so selected.

2.—French.

The paper in French shall contain (1) passages for translation from French ; (2) a piece of easy translation into French ; (3) questions in Grammar, limited to Accidence and Elementary Syntax.

3.—German.

The paper in German shall contain (1) passages for translation from German ; (2) a piece of easy translation into German ; (3) questions in Grammar, limited to Accidence and Elementary Syntax.

* The candidate may select either one of these languages or one of the sciences under section 2, but not a subject from both sections. The language or science chosen must be specified on the entry form.

† For selected portions see Appendix.

‡ Special stress is laid on accuracy in the answers to the questions in Greek Grammar.

4.—Sanskrit.*

Sanskrit subjects to be selected by the Senate one year and a half previously from the under-mentioned works:—†

Hitopadesa, Books II. to IV.
Panchatantra, Books II. to V.
Sahityaparichaya, Parts I. and II., pp. 1-93.
Ramayana, Book I.
Mahabharata (Story of Nala, Story of Savitri, Bakavadhaparvan, Sakuntalopakhyana).
Manu, Books II. to VII.

The paper in Sanskrit shall contain passages from the books selected, to be translated into English, with questions in Grammar. A passage or short passages shall also be set for translation from other books not so selected.

5.—Arabic.*

The paper in Arabic shall contain passages for translation into English, and questions in Grammar.

V.—SECTION 2. OPTIONAL SCIENCES.‡

The following Syllabuses are intended to indicate the general scope and character of the examination (which will be of an elementary character), without being exhaustive of all parts of the respective subjects thereof. Candidates will be expected to show a general acquaintance with the apparatus and to have performed or witnessed simple experiments by which the elementary principles of the subjects comprised in the Syllabuses are illustrated and applied.

One of the following at the option of the candidate :—

1.—Elementary Chemistry.

The chief chemical and physical properties of the atmosphere. Combustion, flame, incandescence.
The chief chemical and physical properties of water. Natural waters, their principal impurities; hardness.
Hydrogen peroxide.
The chief sources and properties of hydrogen and oxygen; and of carbon, sulphur, phosphorus, nitrogen, chlorine, bromine, and iodine, and their chief compounds with hydrogen, and oxygen. Allotropy of elements.
Combining proportions by weight and volume; nature of salts; symbols, equations, nomenclature. Simple chemical calculations relating to weight and volume.
The general characteristics of metals as a class. The chief sources and properties of silver, copper, mercury, lead, aluminium, iron, zinc, calcium, and sodium, and of their principal oxides, carbonates, sulphates, chlorides, and nitrates.

2.—Mechanics.

Elementary notions of Velocity and Acceleration.
Motion of a body with constant Acceleration.
Resolution and Composition of Velocities, Accelerations, &c.
Elementary notions of Mass and Momentum.
Elementary notions of Forces as measured by rate of change of Momentum.
Newton's Laws of Motion.
Kinetic Energy and Work.
Units of Force and Measurement.
Balancing of Forces.
Torques of Moments.
Conditions for the equilibrium of Three Parallel Forces.
Resolution and Composition of Parallel Forces in one Plane.
Centre of Parallel Forces. Centre of Gravity. Mass Centre. Stable, Unstable, and Neutral Equilibrium.
Conditions for the equilibrium of three Forces not parallel. Triangle and Parallelogram of Forces. Moments.
Simple illustrations of conditions of Equilibrium and of the Principle of Work as in levers, pulleys, the inclined plane, &c.
Pressure in Liquids; variation with depth.
Transmission of Liquid Pressure; Hydraulic Press.
Pressures on immersed and floating bodies.
Density; methods of determining Relative Densities.
Relation between volume and pressure in Gases.
Atmospheric Pressure.

3.—Sound, Heat, and Light.

Sound.—The production of Sound by vibrating sources, and its transmission through material media in the longitudinal wave form.

The features of the waves corresponding to Loudness and Pitch.
Experimental determination of the Velocity of Sound in Air. Echoes. Effect of change of temperature on the velocity.

Determination of Frequency by simple methods.
Experimental investigation of the Fundamental Vibrations of Strings by means of the Sonometer.
Experimental investigation of the Vibrations of Air in Pipes by resonance to tuning forks. Organ Pipes.
Position of nodes and antinodes.

Heat.—Definition of Temperature. Construction and use of instruments for the measurement of Temperature.
Expansion of Solids, Liquids, and Gases, with rise of Temperature. Convection in Fluids.
Quantity of Heat. Specific Heat.

Change of State. Latent Heat. Vapour Pressure. Boiling-point.

Dew-point.—Formation of Cloud, Fog, and Dew.

Conduction. Definition of Thermal Conductivity.

Radiation: its emission, propagation, reflection, refraction, and absorption; its relation to Light.

Light.—Laws of Propagation of Light. Measurement of Velocity. Laws of Reflection and Refraction.

Photometry.

Reflection at Plane and Spherical Surfaces, and the formation of Images.

Refraction at Plane Surfaces and by Prisms. Minimum deviation. Chromatic dispersion.

The formation of Images by single Lenses. Long and Short Sight and their correction by Lenses.

The combination of two Lenses to form a simple Telescope or Microscope.

* See note † on page 134.

† For selected portions see Appendix.

‡ See note * on page 134.

4.—*Magnetism and Electricity.*

Properties of Magnets. Simple Phenomena of Magnetism and of Magnetic Induction.

The Magnetic Field : Lines of Force.

The Earth as a Magnet.

The Simpler phenomena of Electrified Bodies. Conduction and Insulation. Electrification by Friction and by Induction (Influence).

Quantity of Electrification. The two kinds of Electrification produced or destroyed in equal amounts.

Distribution of Electrification on Conductors.

Electric Field : Strength of Field.

The Inverse-Square Law of Electric Force.

Potential. Capacity. Energy of Charge.

Electric Discharge.

Electric Current. The various Cells. Accumulators.

Magnetic Field of Current ; Magnetic Measurement of Current. Galvanometers.

Electromotive Force. Difference of Potential. Resistance.

Ohm's Law : Volt ; Ohm ; Ampere.

Heating and Chemical Effects of Currents. Thermo-electricity.

Identification of Current with Electric Discharge.

Action on Current Circuits in a Magnetic Field.

Electromagnetic Induction : Faraday's Law ; Lenz's Law. Induction Coil.

5.—*Botany.**

The elementary facts in the morphology of the vegetative and reproductive organs of the following orders of flowering plants :—

Ranunculaceæ, Papaveraceæ, Cruciferae, Violaceæ, Caryophyllaceæ, Leguminosæ, Rosaceæ, Umbelliferae, Compositæ, Scrophulariaceæ, Labiateæ, Primulaceæ, Cupuliferae, Liliaceæ, Gramineæ.

The functions of the parts of the flower, and adaptations for cross- and self-pollination ; fruits and seeds, their relation to the parts of the flower, and the provision for the dispersal of seeds.

The elementary facts in the nutrition and respiration of a green flowering plant, and the structure of its parts, in so far as is necessary to explain these facts.

The description of a flowering plant (whether in whole or in part) in technical language. [The plant need not belong to any of the above-mentioned orders.]

The examination shall be conducted in the following order :—

MONDAY	...	Afternoon, 2 to 5	Optional Languages and Sciences.
TUESDAY	...	Morning, 10 to 1	Latin.
		Afternoon, 2 to 5	
WEDNESDAY	...	Morning, 10 to 1	English.
		Afternoon, 2 to 5	
THURSDAY	...	Morning, 10 to 1	Mathematics.
		Afternoon, 2 to 5	
FRIDAY	...	Morning, 10 to 1	General Elementary Science.
		Afternoon, 2 to 5	

APPENDIX.

I.—SPECIAL SUBJECTS.

I.—LATIN.

For January, 1902.

Horace.—Odes I.

For June, 1902.

Cicero.—De Senectute.

For January, 1903.

Ovid.—Tristia I. and III.

For June, 1903.

Livy.—Book XXI.

II.—GREEK.

For January, 1902.

Plato.—Crito with Euthyphro.

For June, 1902.

Euripides.—Medea.

For January, 1903.

Euripides.—Alcestis

For June, 1903.

Xenophon.—Anabasis VI.

III.—SANSKRIT.

For January, 1902.

Panchatantra, Book II. (ed. Bühler) ; Ramayana I., Cantos 7–11 (ed. Schlegel or ed. Peterson) ; Manu II., st. 69–168, ed. Jolly (Trübner's Oriental Series).

For June, 1902.

Panchatantra, Book III., ed. Bühler (Bombay Sanskrit Series) ; Ramayana I., Cantos 1–6 (ed. Schlegel or ed. Peterson) ; Manu, Book III., st. 1–120, ed. Jolly (Trübner's Oriental Series).

For January, 1903.

Panchatantra, Book II. (ed. Bühler) ; Ramayana I., Cantos 1–5 ; Manu, Book II., st. 119–249, ed. Jolly (Trübner's Oriental Series).

For June, 1903.

Panchatantra, Book IV., ed. Bühler (Bombay Sanskrit Series) ; Ramayana I., Cantos 6–10 ; Manu, Book III., 1–120, ed. Jolly (Trübner's Oriental Series).

Office of the Director of Public Instruction,
Colombo, January 20, 1902.

J. HARWARD,
Acting Director of Public Instruction.

* As the examination in Botany is partly practical it cannot be held out of the United Kingdom.

UNIVERSITY OF LONDON.

THE Intermediate (Pass) Examination in Arts only of the University of London for 1902 and 1903 will be held at the School of Agriculture, Colombo, on the second Monday in July, commencing at 10 A.M.

2. Each candidate is required —

- (a) To produce a certificate showing that he passed the Matriculation Examination.*
- (b) To produce a satisfactory certificate of good conduct.†
- (c) To notify to the Director his intention to present himself at the examination six clear months prior to the date of such examination, in order that application may be made in time for the examination papers.‡
- (d) To forward to the Director, together with the notice referred to in (c) and the certificates in (a) and (b), an admission fee of £5 sterling by Bank draft on England payable to the Registrar of the University of London, and not by Money Order. The fee should not under any circumstances be remitted direct to the Registrar of the University of London. If a candidate withdraws his name, or fails to present himself at the examination, or fails to pass it, the fee shall not be returned to him, but he shall be allowed to enter for any subsequent Intermediate Examination in Arts upon payment, at every such entry, of an additional fee of two pounds ten shillings, provided that he comply with the regulations in the preceding paragraph.†
- (e) In future a local fee of Rs. 5 will be levied on all candidates seeking admission to the Intermediate Examination in Arts of the University of London, to meet the cost of arranging for the conduct of the *vivâ voce* part of the examination in modern languages.

3. The following regulations from the "University Calendar" are published for general information:—

The examination shall be conducted by means of printed papers; but the Examiners shall not be precluded from putting, for the purpose of ascertaining the competence of the candidates to pass, *vivâ voce* questions to any candidate in the subjects in which they are appointed to examine.

Candidates shall be examined in (1) Latin; (2) Greek; (3) English Language, Literature, and History; (4) French or German; (5) Mathematics or Logic.

N.B.—Candidates who intend entering for Mental and Moral Sciences at the B. A. Examination are expected to have passed in Logic as one of their alternative subjects at one of the previous Intermediate Examination in Arts.

LATIN (Two Papers).

Two Latin subjects (one in prose, the other in verse) to be selected by the Senate two years previously from the works of the under-mentioned authors:—‡

- Virgil*.—The Eclogues; or two books of the Georgics; or two books of the *Æneid*.
Horace.—The Odes and Epodes; or the Satires; or the Epistles.
Ovid.—Fasti, two books; or Metamorphoses, two books.
Cicero.—One of the Orations; or a book of "De Officiis"; or one Tusculan Disputation.
Livy.—One book.
Tacitus.—One book of either the Annals or the Histories.

Outlines of the History of Rome to the Death of Julius Cæsar, together with a special knowledge of a limited specified period not subsequent to that date.‡

The papers in Latin and in Roman History shall contain passages of the specified authors, with simple passages of Latin from books not previously named, to be translated into English; short pieces of English to be translated into Latin; § and questions in Grammar, § History, and Geography.

GREEK (Two Papers).

Two Greek subjects (one in prose, the other in verse) to be selected by the Senate two years previously from the works of the under-mentioned authors:—‡

- Homer*.—One Book.
Æschylus.— }
Euripides.— } One play from the works of these Dramatists.
Sophocles.— }
Herodotus.—One of the shorter, or a portion of one of the longer, books.
Lysias.

Platonic Dialogues.—Laches; Hippias Major; Menæxenus; Theages; Ion; Apology; Crito; Euthyphro. Outlines of the History of Greece to the Death of Alexander, together with a special knowledge of a limited specified period not subsequent to that date.‡

The papers in Greek and in Greek History shall contain passages of the specified authors, with simple passages of Greek from books not previously named, to be translated into English; short pieces of English to be translated into Greek; § and questions in Grammar, § History, and Geography.

THE ENGLISH LANGUAGE, LITERATURE, AND HISTORY (Two Papers).

- (1) English Grammar and Composition, with questions on the History of the Language and Literature.
- (2) Special subjects to be notified two years previously, ‡ viz., three texts of English standard authors not earlier than Chaucer.
- (3) English History treated generally, with a special study of portions of a standard work, to be prescribed two years previously; ‡ the period of the prescribed book to coincide, as far as possible, with that of one or more of the prescribed texts of literature.

One paper shall be set on (1) and (2) and one on (3).

FRENCH OR GERMAN (One Paper each).

- (1) Translation from and into French or German.
- (2) Questions in Grammar.
- (3) Reading aloud a passage in French or in German, with *vivâ voce* examination (in French or German) thereon.

* These times and conditions must be strictly observed.

† A certificate of good conduct need not again be produced.

‡ For selected subjects and periods see Appendix.

§ Special stress is laid on accuracy in the answers to the Grammar questions and on the correct rendering of English into Latin.

MATHEMATICS (Two Papers).

Arithmetic.

The ordinary Rules of Arithmetic.
 Vulgar and Decimal Fractions.
 The Rule of Three and its Applications.
 Simple and Compound Interest.
 Present Value, Discount, and Annuities.
 Extraction of the Square Root.

Algebra.

The ordinary Rules of Algebra.
 Reduction and Manipulation of Algebraical Fractions.
 Ratio, Proportion, and Variation.
 Permutations and Combinations.
 Arithmetical and Geometrical Progressions.
 Simple and Quadratic Equations.
 Determination of Common Factors.
 The Theory of Indices.
 The nature and use of Logarithms.

Geometry.

The Relations and Properties of Similar Rectilinear Figures.
 The Elementary Properties of the Plane, including those of the Angles made by Planes with Right Lines and with each other.
 The Elementary Properties of the Sphere, including those of the Great and Small Circles on the Surface of Spheres.
 The Mensuration of the Simpler Plane and solid Figures, including that of the Circle, the Sphere, the Cylinder, and the Cone.
 Elements of Co-ordinate Geometry, in Rectangular and Polar Co-ordinates, as far as the Equations and Properties of the Right Line and Circle.

Trigonometry.

The different Measurements of Angles, and the Ordinary Relations of their Trigonometrical Ratios.
 The Elementary Formulæ connecting the Trigonometrical Ratios of two or more Angles.
 The solution of the several cases of Plane Triangles, including the determination of their Areas.
 The determination of the Heights and Distances of Inaccessible objects.

LOGIC (Two Papers).

[This Syllabus is intended to indicate the general scope and character of the examination, without being exhaustive of all parts of the subject.]

- (1) Laws of Thought. Logical Relation of Thought to Language.
- (2) Terms. Formal Division and Definition. Predicables.
- (3) Propositions and their Import. Forms of Immediate Inference.
- (4) Syllogism and other varieties of Deductive Reasoning. Trains of Reasoning. Function of Syllogism.
- (5) Relation of Induction to Deduction. Uniformity of Nature. Causation. Induction and Analogy.
- (6) Observation and Experiment. Inductive Methods. Empirical Laws. Deductive Methods. Explanation.

Hypothesis.

- (7) Definition and Classification in Science.
- (8) Fallacies of Deductive and Inductive Reasoning.

Candidates shall not be approved by the Examiners unless they have shown a competent knowledge in the following subjects:—

- (1) Latin.
- (2) Greek.
- (3) English Language, Literature, and History.
- (4) Either the French or the German Language.*
- (5) Either Mathematics or Logic.†

ORDER OF THE EXAMINATIONS AT THE INTERMEDIATE EXAMINATION IN ARTS.‡

MONDAY	...	{	Morning, 10 to 1	Latin.
			Afternoon, 2 to 5	Latin and Roman History.
TUESDAY	...	{	Morning, 10 to 1	Greek.
			Afternoon, 2 to 5	Greek and Greek History.
WEDNESDAY	...	{	Morning, 10 to 1	English Language and Literature.
			Afternoon, 2 to 5	English History.
THURSDAY	...	{	Morning, 10 to 1	Arithmetic and Algebra or Logic.
			Afternoon, 2 to 5	Geometry and Trigonometry or Logic.
FRIDAY	...	{	Morning, 10 to 1	{ French.
				{ German.
			Afternoon, 2 to 5	{ French } vivâ voce.
				{ German }
SATURDAY	...	{	Morning, 10 to 1	{ French } vivâ voce.
				{ German }

* Pass candidates can obtain credit for only *one* of these languages.

† Pass candidates can obtain credit for only *one* of these subjects (see N.B. on page 133). The order of the examination is appended to these regulations (Intermediate Arts).

‡ Changes in the details of this order may become necessary, but in all cases will be notified in the Time Table sent to candidates with the form of entry.

APPENDIX.

SPECIAL SUBJECTS.

I.—LATIN.

For the Intermediate Examination in Arts (Pass), 1902 :—

Horace.—Epistles I. & II. (not including *Ars Poetica*).
Cicero.—Second Philippic.
Period of History.—B.C. 202—168

For the Intermediate Examination in Arts (Pass), 1903 :—

Virgil.—Georgics I. and IV.
Tacitus.—Histories III.
Period of History.—B.C. 168—101 inclusive.

II.—GREEK.

For the Intermediate Examination in Arts (Pass), 1902 :—

Æschylus.—Eumenides.
Herodotus.—Book IV., Cc. 1—145.
Period of History.—Greek History, from the earliest times to B.C. 500.

For the Intermediate Examination in Arts (Pass), 1903 :—

Sophocles.—Ajax.
Plato.—Euthyphro and Menexenus.
Period of History.—B.C. 500—432 inclusive.

III.—ENGLISH.

For the Intermediate Examination in Arts (Pass), 1902 :—

Langland.—Piers the Plowman, Prologue, and Passus I.—VII.
Shakespeare.—King Richard III.
Lamb.—Last Essays of Elia.

For the Intermediate Examination in Arts, 1903 :—

Chaucer.—Prologue and Knight's Tale.
Dryden.—"Of Dramatic Poesy"—an Essay; "Defence of an Essay of Dramatic Poesy"; "Preface to Fables."
Shakespeare.—Much Ado about Nothing.

IV.—HISTORY.

For the Intermediate Examination in Arts (Pass) 1902 :—

Lacey.—History of England in the Eighteenth Century. Chapters X—XV., vols. 3 and 4 (Library edition); or chapters IX. to XV., vols. 3, 4, and 5 (Cabinet edition), Longmans'.

For the Intermediate Examination in Arts, 1903 :—

Hallam's Constitutional History, chapters I.—IX.

Office of the Director of Public Instruction,
 Colombo, January 20, 1902.

J. HARWARD,
 Acting Director of Public Instruction.

THE ENGLISH UNIVERSITY SCHOLARSHIP, 1903.

ONE Scholarship of the value of £200 per annum, tenable for four years, and an outfit allowance of £50, will be awarded by the Government of Ceylon on the results of a special examination, to be conducted by the Oxford and Cambridge School Examination Board, which will be held at the Colombo School of Agriculture on the third Monday in March, 1903, and following days.

No candidate will be admitted to this examination who has not been resident in the Island for the five years next before the examination, or who was born on or before the 31st day of March, 1883, or who has not previously passed the "London Matriculation Examination," or the "Cambridge Senior Local Examination" with honours, or the "First in Arts Examination" of the Calcutta University. A certificate of birth must be furnished by candidates whose birth certificates are not already filed at the Office of Public Instruction.

N.B.—(1) Managers of Schools and Principals of Colleges should notify to the Director of Public Instruction on or before October 1, 1902, the number of candidates they intend to present for the examination, together with the particulars mentioned in the preceding paragraph.

(2) In future the certificate of a Medical Officer, appointed by Government, as to physical fitness to prosecute studies in the British Isles will be an essential condition of the English University Scholarship. For such a certificate the candidate should pay a fee of Rs. 10-50.

The subjects for the examination are as follows :—

1. English Essay.
 2. The English Language.—Questions on English Grammar and Idiom, and such questions on the Philology and History of the Language as can be answered without a special knowledge of Anglo-Saxon.
 3. English Literature.—The period will be 1558 to 1616 A.D. The subjects will be Shakespeare: Cymbeline, Richard III., Much ado about Nothing; Milton: Paradise Lost, Books I., II., IV., and VII.; Johnson's Lives of Dryden and Pope.
 4. English History.—The special period will be 1558 to 1688 A.D. Questions on the General History of England.
 5. Latin.—Unprepared passages for translation into English; Latin Prose; Grammar (including questions on Syntax).
 6. Greek.—Unprepared passages for translation into English; Grammar (including questions on Syntax); translation of English sentences and an easy passage of English into Greek.
 7. Questions on the General History of Greece down to 323 B.C., and of Rome down to 31 B.C.
- N.B.—The fee payable is Rs. 40 for each candidate unless otherwise notified.

Office of the Director of Public Instruction,
Colombo, January 20, 1902.

J. HARWARD,
Acting Director of Public Instruction.

THE CEYLON MEDICAL COLLEGE.

MEDICAL DEPARTMENT.

Preliminary Examination.

THE Preliminary Examination for Medical Students of either sex will begin on March 17, 1902. The last day for entry is March 1, 1902.

The following is an extract from the Examination Regulations :—

The Preliminary.—This examination is held once a year in the third week in March. Before admission to the preliminary the candidate must present to the Registrar not later than March 1 the following certificates :—

- (1) Certificate of having attained 16 years of age.
- (2) Certificate from one of his teachers of being of good character.

The candidate must pay the examination fee of Rs. 15 into the account of the Principal, the Ceylon Medical College, at the Bank of Madras, Colombo and a receipt must be obtained, and must be forwarded with the application. The candidate will then receive a ticket bearing a number, which will admit him to the examination.

Subjects of the Examination.

1. English Language, including Grammar and Composition.
2. Latin, including Grammar, translation from specified author (the author selected is Livy, Book XXII.), and translation of easy passages not taken from such author.
3. Mathematics, comprising Arithmetic; Algebra as far as simple equations inclusive; Geometry, the subject matter of Euclid, Books I., II., and III., and easy deductions.
4. One of the following optional subjects: Greek, French, German, Italian, Sinhalese, Tamil. The questions on optional subjects include Grammar, easy translation from and into English.

Scheme of the Examination.

First Day	...	{ 9-12 A.M. English Language. 2-4 P.M. English Essay.
Second Day	...	{ 9-12 A.M. Latin, prescribed book. Unseen translation. 2-4 P.M. Latin Grammar. English into Latin.
Third Day	...	{ 9-12 A.M. Arithmetic and Algebra. 2-4 P.M. Geometry.
Fourth Day	...	9-12 A.M. Optional subjects.

Results of the Examination.

In publishing the results the names of the candidates will be placed in two classes, first and second. Those in the first, in order of merit; and those in the second, alphabetically.

The Preliminary Examination Prizes.

The highest candidate in the first class, provided he obtains a sufficient number of marks, shall be awarded Government scholarship entitling him to three years' free education at the Ceylon Medical College; the second shall receive a medal.

Examination Papers.

Copies of previous examination papers may be obtained on application to the Registrar.

Examinations accepted in lieu of the Preliminary.

The following examinations are accepted in lieu of the Preliminary Examination, provided that they include all the above subjects, and that these subjects have all been passed at one and the same time. Schoolmasters and teachers are particularly warned that the optional subject must be a modern language, and that Logic, Science, &c., are not recognized in place of such language :—

- (1) The Matriculation Examination of any recognized University of Great Britain, of the University of Bombay.
- (2) The First Examination in Arts of the University of Calcutta, Madras.
- (3) The Entrance Examination of Punjab, Allahabad.
- (4) The Senior or Junior Local Examinations of the University of Oxford or of Cambridge.
- (5) The Examination of the College of Preceptors for a First Class Certificate.
- (6) The Matriculation Examination of some University of Australia, New Zealand, Cape of Good Hope, &c.
- (7) Some Examination of Foreign Universities in Europe.
- (8) The Examination for the Secondary Education Certificate of the Egyptian Government.

For further details with regard to (5) and (6) consult the Registrar.

Colombo, November 22, 1901.

ALBERT J. CHALMERS,
Registrar, Ceylon Medical College.

THE CEYLON MEDICAL COLLEGE.

APOTHECARY DEPARTMENT.

Preliminary Examination.

THE Preliminary Examination for Apothecary Students of either sex will begin on March 17, 1902. The last day for entry is March 1, 1902.

The following is an extract from the Examination Regulations :—

Apothecaries' Preliminary Examination.—This examination is held once a year in the third week in March. Before admission to the Preliminary Examination a candidate must present to the Registrar not later than March 1 the following certificates :—

- (1) Certificate of having attained 16 years of age.
- (1) Certificate of being of good character.

He must pay a fee of Rs. 10 into the account of the Principal, the Ceylon Medical College, at the Bank of Madras, Colombo, and a receipt must be obtained and forwarded with the application. The candidate will then receive a ticket bearing a number, which will admit him to the examination.

Subjects of the Examination.

1. English Language :—

- (a) English Grammar.
- (b) Writing from Dictation.
- (c) Writing of an Essay.

2. Arithmetic :—

Numbers, Addition, Subtraction, Multiplication, Division, Least Common Multiple, Greatest Common Measure, Vulgar and Decimal Fractions, Weights and Measures, Money Tables Practice, Simple Proportion.

3. One of the following languages :—

Tamil or Sinhalese.

Scheme of the Examination.

First Day ...	{	9-11 A.M. English Grammar.
	}	2-4 P.M. Dictation and Essay.
Second Day...	{	9-11 A.M. Arithmetic.
	}	2-4 P.M. Selected Language.

The highest candidate in the first class will receive a Government scholarship entitling him to free attendance at the first and second examinations, and the second will receive a silver medal.

Examinations accepted in lieu of the Apothecaries' Preliminary.

- (1) The College of Preceptors' Examination for the Second Class Certificate.
- (2) The Junior Oxford or Cambridge Local Examination.
- (3) The Eighth Standard Ceylon Government Examination. (Certificates must be signed by the Director of Public Instruction.)
- (4) The Medical Preliminary Examination of the Ceylon Medical College.

Colombo, November 22, 1901:

ALBERT J. CHALMERS,
Registrar, Ceylon Medical College.

Government of Ceylon.

REQUIRED for service in Public Works Department, Hongkong, two Assistant Civil Engineers, salary £300 per annum, rising by increments of £37. 10s. 0d. to £375. First class passage to Hongkong provided. Applicants should not be more than 35 years of age, and should be unmarried.

Applications stating age, qualifications, and experience must be sent to the Director of Public Works, Colombo, on or before the 22nd instant, endorsed "P. W. D., Hongkong."

FRANCIS A. COOPER,
Director of Public Works.

Colombo, February 8, 1902.

A TELEGRAPH OFFICE has been opened at Tel-deniya, Central Province. Telegraph business will be transacted at this office between the hours of 10 A.M. and 5 P.M. only.

W. MACREADY,
for Postmaster-General and
Director of Telegraphs.

Postmaster-General's Office,
Colombo, February 10, 1902.

THE following alteration to the Government Stores Price List is published for general information:—

SECTION A.

Leather, sheep, from India, per skin, Re. 1-10

F. W. VANE,
Controller of Government Stores.

Government Stores,
Colombo, February 11, 1902.

SALES OF UNSERVICEABLE ARTICLES.

NOTICE is hereby given that a bull belonging to the Convict Establishment will be sold by public auction at the Welikada Jail premises at 12 o'clock noon on February 22, 1902.

H. LLOYD,
Acting Superintendent.

Convict Establishment,
Colombo, February 6, 1902.

NOTICE is hereby given that the under-mentioned unclaimed articles belonging to patients who died in the hospitals between September, 1899, and December, 1901, will be sold by public auction at the District Court

of Colombo on Saturday, March 22, 1902, at 12 o'clock noon:—

50 bead necklaces	3 thailams, 2 of brass and 1 of silver
78 earrings	3 small pieces (supposed to be of gold)
177 rings	1 man's comb
4 hairpins	3 umbrellas
89 bangles	4 studs
4 waist-chains	3 knives
5 purses	9 nose rings
25 buttons	1 tin box
1 pair spectacles	1 box
3 beads	1 silver box
9 thalies } supposed to	1 amulet
5 koppus } be of gold	
2 thodoos of brass	

District Court,
Colombo, February 5, 1902.

D. F. BROWNE,
District Judge.

NOTICES CALLING FOR TENDERS.

SEALÉD Tenders, marked on the envelopes "Tender for supplying Calves for Vaccination," will be received up to 12 noon on Wednesday, February 26, 1902, from persons willing to contract for the supply of six calves, more or less, as may be required every month from date of acceptance of tender to December 31, 1902.

2. Tenders should be submitted in duplicate, the original being forwarded to the Principal Civil Medical Officer and the duplicate direct to the Hon. the Auditor-General, both being required to be forwarded at the same time.

3. The calves must be delivered at the animal vaccination depôt, Kandy. They should be under one year old, perfectly weaned, stout, and healthy, and without any eruption on the skin. Any calf not answering to the above description will be rejected.

4. The tenders are to be made upon forms which will be supplied upon application at this office, or to the Colonial Surgeon, Kandy, and no tender will be considered unless it is furnished on the recognized form.

A deposit of Rs. 15 will be required before any form of tender is issued; and should any person decline to enter into the contract and bond after he has tendered, or fail to furnish approved security, such deposit shall be forfeited to the Crown. All other deposits will be returned upon the signature of a contract.

Cash security to the extent of Rs 50 will be required for the due fulfilment of the contract.

For further particulars apply to the Colonial Surgeon, Kandy.

A. PERRY,
Principal Civil Medical Officer
and Inspector-General of Hospitals.

Principal Civil Medical Office,
Colombo, February 4, 1902

SEALÉD Tenders, marked on the envelopes "Tender for provisioning Hospital," will be received up to 12 o'clock noon on Wednesday, February 26, 1902, from persons willing to contract for supplies for the use of the under-mentioned Government Civil Hospital from date of acceptance of tender to December 31, 1902:—

	Security in Cash. Rs.
Civil Hospital, Anuradhapura ...	... 250

2. Tenders should be submitted in duplicate, the original being forwarded to the Principal Civil Medical Officer and the duplicate direct to the Hon. the Auditor-General, both being required to be forwarded at the same time.

3. The tenders are to be made upon forms which will be supplied upon application to the Principal Civil Medical Officer and Inspector-General of Hospitals, or to the Medical Officer in charge of the hospital, and no tender will be considered unless it is furnished on the recognized form, and the tender and the schedules attached thereto, each signed in the presence of two respectable witnesses.

4. Every tenderer will be required to make a deposit (on applying for forms) of half the amount of security; and should any person decline to enter into the contract and bond after he has tendered, or fail to furnish approved security, such deposit will be forfeited to the Crown. All other deposits will be returned after the contract has been signed. The deposit must be made at the Treasury or Kachcheri, and the deposit receipt must be produced to the officer issuing the form as his authority for making the issue. In stations where there are no Kachcheries the deposit must be made to the Medical Officer in charge of the hospital.

5. Provisions should be of the best quality, approvable by the Medical Officer of the hospital.

6. When required, samples must be deposited.

7. The successful tenderers will be required to give cash security as given opposite the name of each station, and to sign the bond given in the tender for the due fulfilment of each contract within a fortnight from date of notification of acceptance of the tenders. The amount deposited for tender forms will form part of the cash security, which will be deposited in the Colombo Kachcheri to credit of the Hon. the Treasurer. Those contractors who are required to furnish security to the extent of Rs. 500 and over may have their securities lodged in fixed deposits, if they so desire, in any one of the local banks which they must elect, the deposit being in the name of the Hon. the Treasurer. It is left to the option of the successful tenderer to substitute at any time thereafter for cash deposited by him approved title deeds and to enter into a fresh security bond at his expense.

8. In case any person makes any alterations in his tender before forwarding it, such alteration should invariably bear his initials, otherwise the tender will be treated as informal and rejected.

9. Any further information can be obtained on application to the Principal Civil Medical Officer and Inspector-General of Hospitals.

10. The Government reserves to itself the right, without question, of rejecting any or all tenders, and the right of accepting any portion of a tender.

ALLAN PERRY,
Principal Civil Medical Officer
and Inspector-General of Hospitals.
Principal Civil Medical Office,
Colombo, February 4, 1902.

TENDERS will be received by the Hon. the Auditor-General and the Provincial Engineer of the Southern Province for the erection of cooly lines in the Hambantota District, in the Southern Province, up to noon on March 1, 1902.

2. Tenders must be sealed and endorsed on the envelopes "Tender for Cooly Lines, Hambantota District."

3. Tenders must be submitted in duplicate, the original being forwarded to the Provincial Engineer and the duplicate direct to the Hon. the Auditor-General, both being required to be forwarded at the same time.

4. Tenders must be on forms which may be obtained at the office of the Provincial Engineer, Southern Province, and no tender will be considered unless it is furnished on the recognized form.

5. Parties applying for form of tender will be required to deposit the sum of Rs. 50 either at Treasury or the Kachcheri and produce a receipt for the same. Should the party fail to submit, in accordance with the terms of the specification, a *bond fide* tender, or to enter into the necessary contract, or deposit the required cash security, the sum of Rs. 50 deposited will be forfeited by way of ascertained and liquidated damages.

6. Plans and specifications may be seen, and further information obtained, on application at the Provincial Engineer's office at Galle.

7. Before any tender is accepted the contractor will be required to sign a contract to execute and perform the works in accordance with the specification and the general conditions therein set forth, and to deposit a sum to be fixed by the Provincial Engineer, Southern Province, according to amount of tender for the due and faithful performance of the contract within ten days of receiving notice in writing signed by the Provincial Engineer of the Southern Province accepting his tender.

8. The Government does not bind itself to accept the lowest or any tender.

H. A. GRANT,
Public Works Department,
Galle, February 6, 1902. Provincial Engineer.

SEALED Tenders will be received by the undersigned up to noon of February 21, 1902, for the purchase of the old Police Hulk as she stands in Colombo Harbour.

No tender will be considered unless the tenderer is present in person or is represented by his authorized agent, and deposits one-tenth of the amount of his tender when handing in his tender.

Should the tenderer whose tender is accepted fail to comply with the terms of his tender, the one-tenth deposit will be forfeited to the Crown.

Cheques will not be accepted unless marked for payment by the banks on which they are drawn.

J. DONNAN,
Master Attendant's Office,
Colombo, February 10, 1902.

SEALED Tenders (in duplicate), marked on the envelopes "Tender for the purchase of Standing Timber," will be received up to noon on Friday, March 14, 1902, from persons willing to purchase the under-mentioned trees in Mahamailankulam in Kilakkumulai south, in Vavuniya south of the Mullaittivu District, Northern Province:—

Species.	No. of Trees.	Approximate		Estimated Cubic Feet.
		Length.	Girth.	
		ft.	in.	
Palu trees	1	15	0	46
Do.	1	15	0	38
Do.	1	16	0	37
Do.	1	14	0	42
Do.	1	12	0	60
Do.	1	13	0	29
Do.	1	12	0	48
Do.	1	15	0	46
Do.	1	21	0	52
Do.	1	14	0	42
Do.	1	12	0	30
Do.	1	10	0	25
Do.	1	16	0	87
Do.	1	13	0	42
Do.	1	12	0	33
Do.	1	9	0	23
Do.	1	16	0	128
Do.	1	12	0	36
Do.	1	22	0	80
Do.	1	9	0	45
Do.	1	13	0	37
Do.	1	15	0	42
Do.	1	17	0	43
Do.	35	15	0	805
Do.	40	12	0	480
Do.	45	12	0	315
Do.	12	12	0	36
Satin trees	12	12	0	48

Conditions.

1. The above are rough measurements.
2. A few of the trees are hollow and burnt.
3. Tenders are invited for the purchase of the timbers as they stand in the jungle.
4. Offers will be received for the purchase of—
 - (a) All the the trees in the whole block.
 - (b) All the trees of any particular species in the whole block.
5. Offers may be made of lump sum or rates per tree or per cubic foot. It should be stated in the tender how payment of the purchase money will be made, and within what time the trees purchased will be felled and removed from the forest.
6. In the event of a rate per cubic being accepted, 10 per cent. will be allowed for bark, &c., off cubic contents calculated from actual measurement of logs felled.
7. No tender will be accepted unless a deposit is made at time of tendering of 25 cents for every tree proposed to be purchased.
8. The tender must be sent to the Assistant Government Agent, Mullaittivu, and the duplicate of it to the Government Agent, Jaffna, both being despatched at the same time.
9. Should the person tendering decline to enter into the contract and bond, or fail to furnish security, such deposit will be forfeited to the Crown.
10. All alterations in any tender should be initialled by the person signing it.
11. Security will have to be deposited in proportion to the trees purchased for the due fulfilment of the contract before it is signed.
12. The Government Agent reserves to himself the right, without question, of rejecting any or all tenders.

Further particulars may be obtained on application to the Assistant Government Agent, Mullaittivu.

L. W. C. SCHRADER,
Assistant Government Agent.

Mullaittivu Kachcheri,
February 4, 1902.

Results of METEOROLOGICAL OBSERVATIONS in Ceylon during the Month of November, 1901.

STATIONS.	Height above Level of Sea.	RAINFALL.			No. of Days on which Registered.	The Resultant Direction of the Wind was from	BAROMETER REDUCED TO 32°.				TEMPERATURE OF THE AIR AND OF EVAPORATION.										Mean Amount of Cloud 0 to 10												
		Total No. of Inches.	Greatest Quantity in any 24 hours.				Mean Reading.	At 9½ A.M.	At 3½ P.M.	Mean Reading for the Month.	Mean Reading reduced to the Level of Sea.	Highest Reading.	Lowest Reading.	Mean Daily Maximum Temperature in Shade.	Mean Daily Minimum Temperature in Shade.	Adopted Mean Temperature of Air.	Adopted Mean Temperature of Evaporation.	Mean Elastic Force of Saturation.	Mean Degree of Humidity Complete Sat., 100.	Maximum Temperature of Air.		Minimum Temperature of Air.	Maximum Daily Maximum Temperature in Sun.	Maximum Temperature in the Sun.	Minimum Daily Minimum Temperature on Grass.	Minimum Temperature on the Grass.							
			In.	Date.																							In.	Date.	In.	Date.	In.	Date.	In.
1 Colombo ...	40	19.84	3.68	23rd-24th	25	123.6	N. 76 W.	29.899	29.791	29.845	29.885	29.935	30th	29.734	10th	86.2	74.1	79.9	75.4	83.6	84	90.2	5th	68.8	28th	140.8	159.8	16th	71.4	63.8	17th	6.3	
2 Ratnapura ...	84	18.70	4.05	8th-9th	24	8.9	N. 71 E.	29.674	29.548	29.611	29.694	29.721	30th	29.472	13th	89.6	88.9	74.1	69.2	69.2	76	94.1	2nd	52.0	28th	125.0	135.5	10th	61.7	52.6	30th	6.1	
3 Puttalam ...	27	13.90	5.0	19th-20th	21	77.3	S. 77 W.	29.864	29.757	29.810	29.837	29.905	8th	29.736	5th	82.4	72.5	78.0	72.2	71.2	72	85.0	16th	64.8	27th	99.3	120.0	6.26.28	39.6	31.0	27th	8.5	
4 Anuradhapura ...	295	11.47	2.72	19th-20th	19	43.8	N. 45 E.	29.666	29.481	29.543	29.544	29.653	30th	29.419	10th	87.5	67.9	79.7	73.4	77.8	75	91.5	17th	70.5	28th	142.8	157.4	7th	...	...	...	...
5 Mannar ...	12	9.61	3.06	11th-12th	18	...	N. 35 E.	29.865	29.763	29.814	29.836	29.915	8th	29.706	11th	89.3	75.4	80.3	75.9	84.4	82	87.0	8 & 16	65.0	28th	137.7	146.0	5.9.16	71.2	64.0	27th	7.1	
6 Jaffna ...	9	12.18	3.12	2nd-3rd	14	...	N. 62 E.	29.917	29.812	29.864	29.873	29.977	8th	29.765	11th	84.2	72.3	79.5	76.0	85.3	85	87.0	8 & 16	65.0	27th	140.8	141.8	1st	...	...	...	...
7 Trincomalee ...	12	13.67	2.88	17th-18th	13	57.7	N. 75 W.	29.927	29.814	29.870	29.882	29.964	27th	29.739	11th	85.5	74.5	79.5	76.0	84.7	87	90.4	15th	67.4	27th	139.9	147.0	16th	71.0	63.0	27th	4.1	
8 Batticaloa ...	26	7.86	1.48	20th-21st	16	20.0	N. 52 E.	29.928	29.830	29.878	29.904	30.009	27th	29.779	11th	87.5	72.3	77.2	75.3	85.5	92	89.7	2nd	69.4	28th	140.8	141.8	1st	...	...	...	...
9 Hambantota ...	50	3.50	1.11	21st-22nd	21	...	S. 45 W.	29.897	29.791	29.844	29.894	29.912	13th	29.775	5th	91.4	77.4	80.4	77.6	91.4	88	98.0	31st Oct.	69.2 & 28	150.1	153.8	4th	69.0	66.0	6th & 30th	5.2		
10 Galle ...	48	14.12	1.85	24th-25th	23	...	N. 56 W.	...	...	...	...	...	...	...	...	84.6	77.7	79.6	77.0	91.5	89	87.5	17th	74.0	26th	143.3	157.0	16th	...	...	...	...
11 Kandy ...	1654	13.79	2.83	24th-25th	22	121.1	N. 56 W.	28.278	28.174	28.223	28.381	28.305	30th	28.130	30th	83.4	66.2	73.3	69.7	68.5	84	87.5	17th	74.0	26th	142.0	157.0	16th	...	...	...	...
12 Nuwara Eliya ...	6188	13.44	1.84	24th-25th	24	53.3	N. 84 W.	24.124	24.067	24.095	24.913	24.150	5th	24.012	12 & 24	66.3	52.1	59.0	55.8	41.6	83	69.3	29th	39.8	30th	131.6	135.0	8th	49.0	35.4	30th	7.2	
13 Hakgala, Nuwara Eliya ...	5581	14.19	1.90	4th-5th	20	48.7	S. 53 E.	24.568	24.486	24.527	24.938	24.624	4th	24.409	11th	65.5	54.1	59.1	58.5	49.0	97	70.0	15 & 17	43.0	30th	98.2	135.0	26th	...	...	...	...
14 Badulla ...	2225	10.91	2.70	1st-2nd	22	25.0	N. 45 E.	27.685	27.589	27.637	27.843	27.738	30th	27.559	23rd	80.4	65.3	72.1	67.8	61.1	81	84.9	2 & 6	56.0	29th	137.7	148.5	5th	52.1	62.7	27th	6.0	
15 Camp for the Prisoners of War, Diyatalawa ...	4140	13.99	1.65	4th-5th	21	50.7	N. 52 E.	25.916	25.822	25.869	26.064	25.958	6th	25.761	10th	75.4	59.3	66.6	62.1	50.9	88	80.8	17th	52.6	27th	138.1	149.0	11.15	52.8	41.0	6.0		
16 Camp for the Prisoners of War, Ragama ...	70	25.66	5.29	9th-10th	22	...	N. 14 E.	...	...	...	...	...	...	...	...	85.6	71.3	77.9	79.3	83	89.0	5th	68.0	11 & 20	134.3	148.0	16th	...	...	...	...
17 Maligakanda, Colombo (Mr. Campbell) ...	24	38.3	3.95	23rd-24th	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Agricultural School, Colombo (Mr. Driehberg) ...	21	21.26	3.72	23rd-24th	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19 Passara Hospital, Passara (Mr. Thomas) ...	2800	9.42	2.06	8th-9th	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20 Welhelmina, Puttalam (Mr. Ratnayake) ...	131	13.66	1.50	8th-9th	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21 Horakela Estate, Chilaw (Mr. Beven) ...	50	20.69	4.85	24th-25th	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22 Chilaw Kachoheri, Chilaw (Mr. Koch) ...	10	13.49	2.30	2nd-3rd	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23 Franklands Estate, Veyangoda (Mr. Beven) ...	...	12.34	5.49	24th-25th	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24 Orange Hill, Ragama (Mr. Abdul) ...	50	23.33	4.31	24th-25th	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 Henaratgoda Gardens, Henaratgoda (Mr. Perera) ...	33	16.86	4.43	24th-25th	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26 Kotugodella, Rambukkana (Mr. Corbett) ...	580	15.29	3.54	23rd-24th	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27 Redella or Liberia Estate, Polgahawela (Mr. Hermon) ...	425	16.98	3.00	23rd-24th	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28 Geekianakanda, Neboda (Mr. Towgood) ...	200	20.65	3.85	23rd-24th	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29 Dig Dola, Udugama (Mr. Dobree) ...	700	20.53	5.10	10th-11th	20	...	S.S.W.	8.48	1.20	25th-26th	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 Labugama, Hanwella (Mr. Bond) ...	360	16.06	4.00	24th-25th	24	...	S.W.	14.57	6.70	27th-28th	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31 Rayigam, Horana (Mr. Millard) ...	300	15.99	3.16	23rd-24th	15	...	S.W.	6.89	1.50	27th-28th	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32 Kanangama, Avisawella (Mr. Gun) ...	200	11.85	2.63	23rd-24th	20	...	N.E.	15.40	3.60	22nd-23rd	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33 Dunedin Estate, Avisawella (Mr. Bayley) ...	400	16.78	3.83	23rd-24th	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34 Digala, Avisawella (Mr. Smith) ...	400	17.68	3.63	23rd-24th	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35 Avisawella Estate, Avisawella (Mr. Smith) ...	250	20.22	4.00	24th-25th	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36 Yatiheriya, Kegalla (Mr. Fairweather) ...	...	17.31	4.47	23rd-24th	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37 Mahawalattena, Balangoda (Mahawalattena R. M.) ...	...	7.95	0.93	12-13 & 19-20	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38 Maduwanwala, Rakwana (Maduwanwala R. M.) ...	750	10.38	2.00	21st-22nd	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39 Anningkanda, Morawaka (Mr. Anderson) ...	400	15.48	2.71	3rd-4th	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40 Panilkanda, Morawaka (Mr. Danison) ...	900	14.49	2.75	7th-8th	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41 St. John Del Rey, Bogawantalawa (Mr. Glenville) ...	4300	11.53	1.68	8th-9th	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42 Campion, Bogawantalawa (Mr. Gidden) ...	4840	12.93	2.23	7th-																													