

Educational (189⁵) Department.

ORDINARY MS.

G.O., No. 233

Dated 18th Mar. 1895

INDEXED.

[Despatch Abstract.]

INTERMEDIATE EXAMINATION IN VETERINARY SCIENCE

Recording Revenue Department Proceedings on Proceedings of the Board of Revenue submitting, with remarks, syllabus prepared by Mr. Keess in consultation with the Superintendent, Civil Veterinary Department, for the -- .

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
80	536		9-7-95				

BOARD OF REVENUE (REV. SETT., L. RDS. AND AGRI.), 11TH FEB. 1895, No. 30.

PROCEEDINGS OF THE BOARD OF REVENUE (REVENUE SETTLEMENT, LAND RECORDS AND AGRICULTURE).

READ—the following letter from W. KEESS, Esq., M.A., M.R.A.C., Acting Principal, Madras College of Agriculture, to the Director of Public Instruction, dated Saidapet, 21st January 1895, No. 20:—

With reference to your endorsement, No. 9419, dated 4th October 1894, I have the honour to herewith submit in duplicate the present Intermediate syllabus in Veterinary Science, modified by Veterinary-Lieutenant Harris and myself so as to suit the requirements of the special Veterinary class, sanctioned in G.O., dated 10th August 1894, No. 587, Revenue.

2. I beg to be allowed to explain the delay, which has occurred in complying with the instructions conveyed in your endorsement, quoted above. The Government Order reached me on the 6th October 1894. A few days after this date Veterinary-Lieutenant Turnbull, then Superintendent, Civil Veterinary Department, left this Presidency on transfer to the Punjab, and his successor, Veterinary-Lieutenant Harris, did not join for several weeks after. I had no opportunity of consulting the new Superintendent, Civil Veterinary Department, till 24th December 1894. From this date till 6th January 1895 the College was closed for the Christmas vacation, and again from the 10th to 18th January on account of the severe outbreak of cholera at Saidapet. I have therefore been compelled to delay the submission of the new syllabus till to-day, and I hope no inconvenience will thereby be occasioned.

3. It will be noticed that Veterinary-Lieutenant Harris and myself have based the new syllabus on the present Intermediate one, in use at the College for the purposes of the Diploma in Agriculture. We have struck out the note at the top of the present syllabus so as to make the new syllabus applicable to all animals usually dealt with by Veterinary students. We have also made certain additions to, and modifications in the wording of, the present syllabus with a view to extending its scope.

4. No mention is made of the examination of horses for soundness. Veterinary-Lieutenant Harris does not think it desirable to include this in the new syllabus. I am not prepared to offer an opinion on the point.

5. The new syllabus is, I understand, to be designated "Veterinary Science, Intermediate." In that case, the present syllabus, which is prescribed for the Diploma in Agriculture, should, I recommend, be designated "Veterinary Science, Intermediate, Special."

6. G.O., No. 587, dated 10th August 1894, is herewith returned, as requested. I request I may be furnished with a copy for record in my office.

ENCLOSURE.

VETERINARY SCIENCE. INTERMEDIATE EXAMINATION. STAGE I.

(i) Anatomy—

The general characters of animal tissues as seen in the dissecting room.
The names and position of the bones of the skeleton, ligaments and important muscles.
The nature and character of joints.
The heart and large vessels.
The respiratory system.
The digestive system.
The lymphatic system.

The brain and nervous system.
The blood-elaborating glands.
The urinary system.
The reproductive organs.
The eye.
The foot.

(ii) The Elements of Physiology—

The rudiments of animal chemistry (carbon, hydrogen, nitrogen, oxygen, air, water, carbonic acid, carbonic oxide, ammonia, proteid substances, fat, starch sugar, urea); combustion.

Cell life.

The nature of waste. The need of oxygen. Compensation for waste.

The characters of foods.

The blood as a medium of communication.

Digestion.

The nature and use of secretory glands.

The physiological properties of muscular tissue. The modes in which muscles give rise to movements.

The physiological properties of nervous tissue. The nature of sensory organs. The relation of the nervous system to muscles and to sensory organs.

The brain and spinal cord.

A general account of the circulatory, respiratory, urinary, and alimentary systems. The functions of all glands.

The regulation of the temperature of the body.

The functions of the male and female generative organs.

Reproduction—Generation and Fecundation of the Ovum.

The examination in this stage shall comprise—

(1) A written examination.

One paper of three hours' duration.

(2) An oral and practical examination on the syllabus, including the recognition of any portion of the body mentioned in the syllabus.

The distribution of marks and the minima required for passing shall be as follows:—

	Max.	Min. for passing	
		1st class.	2nd class.
Written examination ...	50	...	...
Oral and practical examination ...	50	30	20
Total ...	100	60	40

STAGE II.

Surgery and Medicine—

Materia Medica, including all the chief indigenous and principal European drugs used in Veterinary practice. Pharmacy, including practical work in mixing and administering medicines.

Injuries and surgical conditions. Treatment.

Castration and its after-treatment.

Principles of shoeing.

General signs of disease.

The common specific and non-specific blood disorders.

The common diseases of the digestive, respiratory, and urinary systems.

The common parasitic and non-parasitic skin diseases.

The common diseases of the foot.

The common diseases of bone.

The common diseases of the generative organs.

Obstetrics: relief of difficult cases.

The common diseases of the young.

Veterinary Hygiene—The contagious and infectious diseases.

Treatment and methods of suppression.

The examination in this stage shall comprise—

(1) A written examination.

One paper of three hours' duration.

(2) An oral and practical examination regarding the diagnosis and treatment of the diseases mentioned; the performance of simple operations; and pharmacy.

The distribution of marks and the minima required for passing shall be as follows:—

	Max.	Min. for passing	
		1st class.	2nd class.
Written examination ...	50	...	...
Oral and practical examination ...	50	30	20
Total ...	100	60	40

Endorsement by D. DUNCAN, Esq., Director of Public Instruction, dated 29th January 1895, No. 854.

Submitted to Government, through the Board of Revenue, with reference to paragraph 6 of G.O., dated 10th August 1894, No. 587, Revenue, communicated with G.O., Educational, No. 689, dated 18th September 1894.

2. It is requested that two spare copies of the above Revenue Government Order may be furnished to this office.

RESOLUTION—dated 11th February 1895, No. 30.

The syllabus prepared by Mr. Keess, in consultation with the present Superintendent, Civil Veterinary Department, in accordance with the instructions conveyed in paragraph 6 of G.O., dated 10th August 1894, No. 587, will be submitted to Government with the Board's recommendation that it be adopted in future for the Intermediate examination in Veterinary Science at the Government Technical examinations. The Board, however, considers that the subject of "Criminal poisoning of cattle in India" should find a place in the syllabus.

2. The Board further considers that Mr. Keess should now be requested to work out the details of the scheme sketched in paragraph 5 of Board's Proceedings, dated 9th January 1894, No. 12, which has received the approval of Government. In doing this he should show exactly what the course for the new Veterinary class will be, and the group of examinations for which students therein should be prepared.

3. As recommended by Mr. Keess, the present Intermediate Veterinary syllabus should in future be recognised as being special for the Agriculture Diploma only. This will facilitate the course laid down in G.O., dated 22nd June 1894, No. 460, Educational, paragraph 7, clause 4, as the examination therein can then be conducted by the Board of Examiners in Agriculture, as is now done in the case of the other subjects for which "special" syllabuses are prescribed.

4. Spare copies of Board's Proceedings, dated 12th October 1894, No. 429, embodying the Government Order asked for by the Director of Public Instruction will be furnished to that officer.

(True Copies and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

To the Secretary to Government, Revenue Department.

" Director of Public Instruction, with two spare copies,

of Board's Proceedings, No. 429, dated 12th October 1894.

Copy to the Superintendent, Civil Veterinary Department.

" " Inspector-General, Civil Veterinary Department.

Ed. W. J. Lewis.

REVENUE DEPARTMENT.

1895.

Board of Revenue

(Revenue Settlement, Land Records
and Agriculture),

MADRAS.

Printed February, 28th.

Proceedings, 11th February 1895, No. 30.

Intermediate Examination in Veterinary Science.
—Submitting to Government, with remarks,
syllabus prepared by Mr. Keess in consultation
with the Superintendent, Civil Veterinary Depart-
ment, for the —.

1895
Encls. No. 1
To 3/2
C. No.

8,000—17-7-94.

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read *Proceedings of the Board of*

Copy attached.

Rev., Rev. Secy to., dt 11 Feb. 1895, No. 30.

Order in Council, 11 March 1895, No 1063 Mis.

Recorded, pending the receipt of the sanction
of the Government of India to the proposals approved
in G. O 587, dated 10th August 1894.

(True Extract.)

W. H. R. S. P.
for Under Secy to Govt.

To

The Bd of Rev. (Rev. Secy to.)
" Educational Dept.

h. r.

CURRENT No. 3/2

Govt. of {1895} Madras.

REVENUE.

To

The Educational Dept.

Order 18 March 1895, No. 233.

Recorded.

Dated

Reed. 13

Mark

Encl.

Mis. G.O., 11 Mar 1895, No. 1063

SUBJECT.

Recording with remarks to P Sub-
mitting to Govt. Secretary proposed
by Mr. Kess in consultation
with the Sup^r C.E.D. for the inter-
mediate Examination in Veterinary
Science.

When given for copying _____
When copied _____
When examined _____
When signed _____

189.

READ AGAIN G.O., No.
189.

DATED

CURRENT No.

ENCLOSURES TO G. No

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

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