

For Library use

**B.V.Sc. & A.H. (Part – IV) Examination – 2019
of the Five-Year Degree Course
VETERINARY PREVENTIVE MEDICINE PAPER-I
(MSVE 2008)**

To be filled by the candidate:

Candidate's Roll Number:

In figure

In words

Candidate's Enrolment Number:

Day and date of examination:

Please see for general instructions overleaf.

Signatures of invigilators verifying the details filled by the candidate

Signature of invigilator 1: 2:

Candidate should not write anything below this line

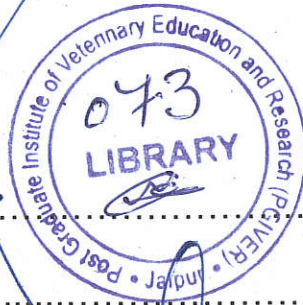
Marks to be filled by the examiner:

Section A		Section B	
Q. No.	Marks	Q. No.	Marks
1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	
Total		Total	

Total Marks obtained:

In figures: In words:

Signature of examiner:



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INSTRUCTIONS TO THE CANDIDATES

1. The invigilator and the members of the Flying Squad are empowered to take search of the examinees during the examinations.
2. Candidate should read the question paper and the instructions carefully before they begin to write answers.
3. The candidate will not be allowed to leave the examination hall before one hour from the end of the examination time.
4. Write on the cover page all the required entries correctly and get the signature of the invigilators.
5. Write legibly in the space provided for answer of each questions/sub-questions according to instruction given in the question paper booklet (question paper).
6. Do not write your name on any part of the question paper / answer booklet.
7. Do not leave examination hall without handing over question paper / answer booklet to the invigilator incharge.
8. No leaves should be torn out of the question paper / answer booklet.
9. Candidate attempting to use unfair means or talking to one another will be dealt with severely as per unfair means rules.
10. No written paper or book notes etc. should be brought to examination hall.
11. Total number of pages of question paper / answer booklet be checked before writing.
12. Candidate should not bring in any article other than pens and admit card. Use of Mobiles, calculators on any other electronic device in the examination hall is strictly prohibited.

SPACE FOR ROUGH WORK

**B.V.Sc. & A.H. (Part – IV) Examination – 2019
of the Five-Year Degree Course
VETERINARY PREVENTIVE MEDICINE PAPER-I
(MSVE 2008)**

Time: Three Hours

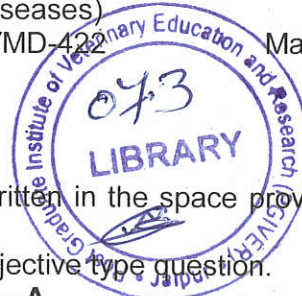
Maximum Marks: 100

Section A: Veterinary Preventive Medicine-I: VMD-412 Marks 50
(Bacterial, fungal and Rickettsial Diseases)

Section B: Veterinary Preventive Medicine-II: VMD-422 Marks 50
(Viral and Parasitic Diseases)

Instructions:

- 1) Attempt all questions
- 2) Answer of all questions is to be written in the space provided along with the question in question-booklet.
- 3) Overwriting is not allowed in the objective type question.



SECTION – A

Veterinary Preventive Medicine-I: VMD-412 Maximum Marks 50
(Bacterial, fungal and Rickettsial Diseases)

Q.1 Fill in the blanks. (10 x 0.75 = 7.5)

- 1.1 The causative agent of Fowl typhoid is _____.
- 1.2 Drum stick shape is characteristic of spores of _____.
- 1.3 Bipolar staining is characteristic of _____.
- 1.4 The most potent neurotoxin is produced from _____.
- 1.5 Timber tongue refers to _____ (name the disease).
- 1.6 Salmonella Gallinarum in poultry causes _____.
- 1.7 Equine distemper is caused by _____.
- 1.8 Coxiella burnetti replicates in host's _____.
- 1.9 The polyglutamic acid capsule of *Bacillus anthracis* is encoded by _____ plasmid.
- 1.10 Contagious mastitis in dairy animals is also called _____.

Q.2 Choose the most suitable answer and write the number of the correct answer 1 or 2 or 3 or 4 in the space given against each sub question:

(10x0.75 = 7.5)

- 2.1 Stormont test is done for the diagnosis of which disease? ()
- 1) Brucellosis
 - 2) Tuberculosis
 - 3) Actinobacillosis
 - 4) Glanders

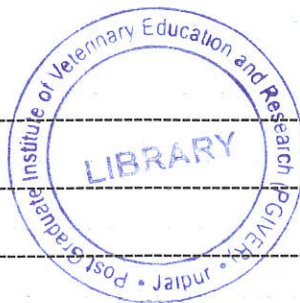
- 2.2 The most susceptible host for tetanus is: ()
- 1) Horse
 - 2) Cattle
 - 3) Dog
 - 4) Goat
- 2.3 Histotoxic Clostridium is- ()
- 1) Clostridium perfringens
 - 2) Clostridium chauvoii
 - 3) Clostridium septicum
 - 4) All of the above
- 2.4 *Mycobacterium bovis* is zoonotic agent belonging to which risk/hazard group? ()
- 1) Risk Gp Ist
 - 2) Risk Gp IInd
 - 3) Risk Gp IIIrd
 - 4) Risk Gp IVth
- 2.5 Case fatality rate in black leg is ()
- 1) 25%
 - 2) 50%
 - 3) 75%
 - 4) 100%
- 2.6 Malignant oedema in sheep is caused by ()
- 1) Clostridium novyi type A
 - 2) Clostridium novyi type B
 - 3) Clostridium septicum
 - 4) Clostridium novyi type D
- 2.7 Hotis test is done for diagnosing mastitis caused by ()
- 1) *Staphylococcus aureus*
 - 2) *Brucella abortus*
 - 3) *Streptococcus agalactiae*
 - 4) *Pseudomonas aeruginosa*
- 2.8 Bang's disease is also known by the name ()
- 1) Brucellosis
 - 2) Leptospirosis
 - 3) Tuberculosis
 - 4) Listeriosis
- 2.9 In Sporotrichosis, the following forms are observed. ()
- 1) lymphocutaneous
 - 2) Disseminated
 - 3) localized
 - 4) All above mentioned

2.10 Increased survival rate of *S. pullorum* infected chick embryo is achieved by ()

- 1) Furazolidone
- 2) Chloramphenicol
- 3) Oxytetracyclin
- 4) Colistin

Q.3 Attempt any ten out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10x1.5= 15)

3.1 Black Quarter.



3.2 Actinomycosis

3.3 Ascoli's test

3.4 Screening test for brucellosis

3.5 Fowl Cholera

3.6 CRD

3.7 Bovine Genital Campylobacteriosis

3.8 Nagler's reaction

3.9 Elementary bodies

3.10 Dimorphic fungus

3.11 Wooden tongue



3.12 Circling disease

Q.4 Attempt any two out of the following three questions. Answer of each question should be in 5 to 8 lines. (2x5 = 10)

4.1 CCPP

4.2 Etiology, Clinical signs and treatment of Tetanus in Horses.

4.3 Etiology and diagnosis of Brucellosis in Cattle.

Q.5 Answer the following question in 1-2 pages (attempt any one).

(1x10 = 10)

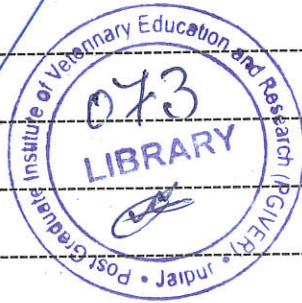
- 5.1 Discuss about etiology, epidemiology, pathogenesis, clinical signs, diagnosis, treatment, prevention and control of Mastitis in Cattle.
- 5.2 Discuss about etiology, epidemiology, pathogenesis, clinical signs, diagnosis, treatment, prevention and control of TB.

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Please write your Roll Number above this line

Q. No.

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SECTION – B

**Veterinary Preventive Medicine-II: VMD-422
(Viral and Parasitic Diseases)**

Maximum Marks 50

Q.6 Fill in the blanks.

(10x0.75 = 7.5)

- 6.1 Blood stained saliva in goat occurs in _____ (disease).
- 6.2 _____ is drug of choice for theileriosis.
- 6.3 Equine infectious anaemia is caused by _____.
- 6.4 Turkey egg appearance of kidney is characteristic of _____
_____ (disease).
- 6.5 Belted or wrinkled appearance of eggs is the characteristic of _____
_____ disease.
- 6.6 Name the vaccine available in India for theileriosis _____
- 6.7 All the bites of wolf, jackal or all the other wild animals are classified under
_____ for rabies.
- 6.8 "Hepatitis Blue eye" syndrome develops in the disease _____
_____ due to iridocyclitis and corneal oedema.
- 6.9 HVTFC 126 is the vaccine for _____ disease.
- 6.10 COFAL test is used for the diagnosis of _____.

Q.7 Choose the most suitable answer and write the number of the correct answer 1 or 2 or 3 or 4 in the space given against each sub question:

(10x0.75 = 7.5)

- 7.1 Roakin, Mukteshwar and Komarov are vaccine strains for which of the following diseases ()
- 1) New Castle disease
 - 2) Avian influenza
 - 3) Marek's disease
 - 4) Infectious Bronchitis
- 7.2 Bovine Winter coccidiosis is caused by ()
- 1) *Eimeria zuernii*
 - 2) *Eimeria bovis*
 - 3) *Eimeria ahsata*
 - 4) *Eimeria lueckarti*



- 7.3 Which of the following stages of *Trypanosoma* is injected by the fly upon feeding on a susceptible host ()
- 1) metacyclic
 - 2) trypomastigote
 - 3) amastigote
 - 4) none
- 7.4 Red worm infestation in horse is caused by ()
- 1) *Strongylus vulgaris*
 - 2) *Strongylus edentatus*
 - 3) Both of the above
 - 4) None of the above
- 7.5 Lumpy wool in sheep is caused by ()
- 1) *Actinomyces ovis*
 - 2) *Actinobacillosis ligneresi*
 - 3) *Dermatophilus congolensis*
 - 4) *Erysipelothrix rhusiopathae*
- 7.6 Turning sickness is caused by ()
- 1) Trypanosomes
 - 2) Babesia
 - 3) Anaplasma
 - 4) Theileria
- 7.7 Which of the following is called as tick fever ()
- 1) Trypanosomes
 - 2) Babesia
 - 3) Anaplasma
 - 4) Theileria
- 7.8 The etiology of Rift Valley Fever is ()
- 1) Avula virus
 - 2) Aphthovirus
 - 3) Phlebovirus
 - 4) Filovirus
- 7.9 In India, currently used FMD vaccines include which of the following strains of the virus ()
- 1) O and A only
 - 2) O, A and C only
 - 3) O, A and Asia-1 only
 - 4) O, A, C and Asia-1 only
- 7.10 Tiger heart appearance is characteristic of ()
- 1) Rinderpest
 - 2) Rabies
 - 3) FMD
 - 4) PPR

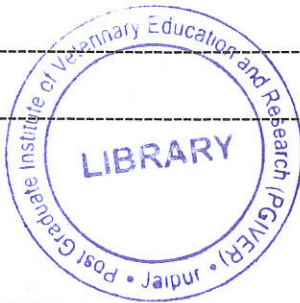
Q.8 Attempt any ten out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10x1.5= 15)

8.1 Hepatic blue eye

8.2 Aujezky's disease

8.3 Echinococcosis

8.4 Coenurosis



8.5 Chorea

8.6 Blue tongue

8.7 Big liver disease

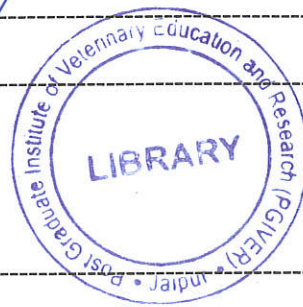
8.8 Rift Valley fever

8.9 Bovine Winter coccidiosis

8.10 Dourine

8.11 Canine parvovirus

8.12 IBR – IPV



Q.9 Attempt any two out of the following three questions. Answer of each question should be in 5 to 8 lines. (2x5 = 10)

9.1 Rabies

9.2 PPR

9.3 New Castle Disease

Q.10 Answer the following question in 1-2 pages (attempt any one).

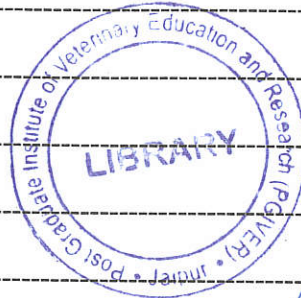
(1x10 = 10)

- 10.1 Enlist the different hookworms of animals? Write in detail about clinical findings, pathological lesions, diagnosis and management of hookworms in dog?
- 10.2 What are the various Trypanosomes affecting man and animals? Write in detail about the lifecycle, epidemiology, clinical signs, diagnosis and control of Trypanosomiasis

Please write your Roll Number above this line

Q. No.

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