Please write your Roll Number above this line

Total Number of pages 16

B.V.Sc. & A.H. (Third Professional) Examination – 2025

Veterinary Parasitology Paper –II

(MSVE 2016)

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	
Q. No.	**Marks**
1.	
2.	
3.	
4.	
5.	
Total	

Total Marks obtained:

In figures: ..... In words: .....

Signature of examiner: .....

Do not write across this line

Please write your Roll Number above this line

B.V.Sc. & A.H. (Third Professional) Examination – 2025
Veterinary Parasitology Paper –II
(MSVE 2016)

Time: Three Hours **Maximum Marks: 100**
Weightage: 20

Unit-4 (Arthropods of Veterinary Importance)
Unit-5 (Protozoa of Veterinary Importance)

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.

Q.1 Fill in the blanks. **(20x 0.5 = 10)**

1.1 Mosquito have .....type of pupa.

1.2 ..... mite is commonly called walking dandruff.

1.3 Bayonet shape mouth parts is seen in .....fly.

1.4 Shaft louse is the common name of .....

1.5 In fleas, on dorsal aspect of 9th segment, there is a plate called .....

1.6 Dollar spot is caused by .....

1.7 Ziehl Neelsen stain is used for diagnosis of .....enteric protozoan disease.

1.8 Sulphur yellow coloured dropping is seen in .....

1.9 Delhi boil is caused by .....

1.10 Intranuclear schizogony is seen in .....

1.11 Both genal and pronotal comb are absent in.....

1.12 *Psoroptes* species is non-burrowing mite whereas *Demodex* and ..... are burrowing mite.

1.13 Winter resting site of *Hypoderma bovis* is .....

1.14 Dichoptic eyes are characteristic of ..... fly.

1.15 .....spp. is ornate tick.

1.16 .....is a live attenuated vaccine against ovine toxoplasmosis.

1.17 .....acts as definitive host for *Sarcocystis fusiformis*.

1.18 Only .....reproduction occurs in *Balantidium coli*.

1.19 In caecal coccidiosis, ...schizonts are responsible for pathogenesis.

1.20 Quinapyramine methyl sulphate has ..... activity against *Trypanosoma evansi*.

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: (20x0.5 = 10)

2.1 Bow shaped air slits in posterior spiracles are present in ( )
1. *Oestrus ovis*
2. *Hypoderma*
3. *Lucilia*
4. *Gasterophilus*

2.2 Tickguard is a vaccine against ( )
1. *Amblyomma variegatum*
2. *Rhipicephalus microplus*
3. *Hyalomma anatolicum*
4. None of the above

2.3 Green bottle fly is common name of ( )
1. *Lucilia*
2. *Calliphora*
3. *Phormia*
4. *Chrysomyia*

2.4 The tropical fowl mite is ( )
1. *Sarcoptes scabei*
2. *Argas persicus*
3. *Dermanyssus gallinae*
4. *Ornithonyssus bursa*

2.5 Which of the following is an endectocide ( )
1. Closantel
2. Amitraz
3. Moxidectin
4. Both a & c

2.6 Horse bot flies belong to genus ( )
1. *Sarcophaga*
2. *Musca*
3. *Gasterophilus*
4. *Hypoderma*

2.7 5th radial cell of wing vein formed by M (1+2) is closed in ( )
1. *Musca domestica*
2. *Stomoxys calcitrans*
3. *Glossina* spp.
4. None of the above

2.8 Spindle shape egg is characteristic of ( )
1. *Sarcoptes*
2. *Psoroptes*
3. *Demodex*
4. *Cnemidocoptes*

2.9 Vector for Indian Kala azar is ( )
1. *Phlebotomus argentipes*
2. *Phlebotomus sergenti*
3. *Phlebotomus papatasi*
4. None of the above

2.10 Festoon is present in ( )
1. Fleas
2. Lice
3. Mites
4. Ticks

2.11 Promastigote stage is seen in ( )
1. *Trypanosoma evansi*
2. *Trypanosoma cruzi*
3. *Leishmania tropica*
4. *Trypanosoma theileri*

2.12 Morula stage in white blood cells is characteristic feature of ( )
1. *Anaplasma marginale*
2. *Theileria anuulata*
3. *Babesia bigemina*
4. *Ehrlichia canis*

2.13 Pirodog is vaccine against ( )
1. *Babesia canis*
2. *Hepatozoon canis*
3. *Ehrlichia canis*
4. *Isospora canis*

2.14 Impaired fat metabolism is seen in ( )
1. *Entamoeba histolytica*
2. *Giardia lamblia*
3. *Hexamita* spp.
4. *Histomonas meleagridis*

2.15 Smallest coccidial oocyst is of ( )
1. *Eimeria*
2. *Sarcocystis*
3. *Toxoplasma*
4. *Cryptosporidium*

2.16 *Trypanosoma evansi* was discovered by ( )
1. Lingard
2. Babes
3. Griffith Evans
4. Tyzzer

2.17 Gall sickness is caused by ( )
1. *Ehrlichia bovis*
2. *Anaplasma marginale*
3. *Theileria annualata*
4. *Babesia bigemina*

2.18 Which of the following is a thiamine antagonist ( )
1. Amprolium
2. Ionophores
3. Furazolidone
4. Sulphonamide

2.19 Which of the following is tetrasporocystic bisporozoic oocyst ( )
1. *Tyzzeria*
2. *Cryptosporidium*
3. *Eimeria*
4. *Isospora*

2.20 Transmission of protozoan parasite by arthropod was first reported by ( )
1. Griffith Evans
2. Smith & Kilborne
3. Leeuwenhock
4. J. P. Dubey

Q.3 Attempt any ten out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10x2.0= 20)

3.1 Halter

3.2 Hemimetabolus metamorphosis

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3.3 Maggot

3.4 Hair ball in stomach

3.5 Transovarian transmission

3.6 Tick worry

3.7 Trypomastigote form

3.8 Conjugation

Please write your Roll Number above this line

3.9 Premunity

3.10 Cilia

3.11 Stercoraria

3.12 Inverse age resistance

Q.4 Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. **(6 x 6 = 36)**

4.1 Acaricide resistance

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4.2 Sheep ked

4.3 Horse fly

4.4 Avian pediculosis

4.5 Cutaneous leishmaniosis

Please write your Roll Number above this line

4.6 Sabin feldman dye test

4.7 Abortion causing protozoa

4.8 Winter coccidiosis

Please write your Roll Number above this line

Q.5 Answer the following question in 1-2 pages (attempt any two). (2x12 = 24)

5.1 Write the mode of transmission of *Trypanosoma evansi*, its pathogenesis, diagnosis and treatment in cattle.

5.2 Discuss about different forms of demodicosis in dogs, their treatment and control.

5.3 Discuss in derail the life cycle, treatment and control of coccidiosis in poultry.