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Total Number of Pages 16

B.V.Sc. & A.H. (Third Professional) Examination – 2023

Veterinary Pharmacology and Toxicology Paper -II

(MSVE 2016)

To be filled by the candidate:

Candidate's Roll Number:

In figure

In words

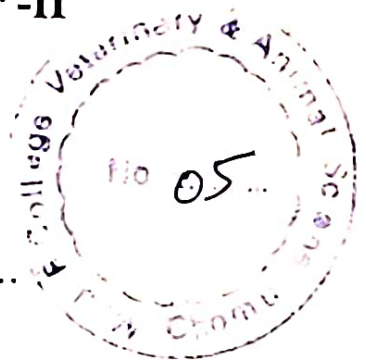
Candidate's Enrolment Number:

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:



for copying

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:

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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

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B.V.Sc. & A.H. (Third Professional) Examination – 2023
Veterinary Pharmacology and Toxicology Paper -II
(MSVE 2016)

Time: Three Hours

Maximum Marks: 100

Weightage: 20

Unit-5 (Veterinary Chemotherapy)
Unit-6 (Veterinary Toxicology)

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 Prodrug of fenbendazole is _____.
- 1.2 Drug of choice of systemic candidiasis is _____.
- 1.3 _____ is the first synthetic antimicrobial agent.
- 1.4 Use of _____ reduces risk of sulfa induced renal toxicity.
- 1.5 _____ is an ionophore coccidiostat.
- 1.6 Vidarabine acts as an antiviral drug by inhibiting _____.
- 1.7 Minimum inhibitory concentration of an antimicrobial necessary to inhibit 90% of the organisms tested is called as _____.
- 1.8 Ampicillin is _____ spectrum penicillin.
- 1.9 Oxylozanide is useful against adult stages of _____.
- 1.10 Buparvaquone is drug of choice for _____.
- 1.11 Basophilic striplings of RBC is observed in _____ poisoning.
- 1.12 Hooves is the preferred material for diagnosis in chronic _____ poisoning.
- 1.13 The Nerium plant causes death due to _____.
- 1.14 Molybdenosis is also referred as _____.
- 1.15 Organochlorines are well absorbed due to their high _____ solubility.

- 1.16 Secondary photosensitization occurs mainly due to _____
obstruction.
- 1.17 _____ is the antigenic protein present in honey bee toxin.
- 1.18 Warfarin acts by inhibiting vitamin _____.
- 1.19 Tetrádotoxin is synthesized by _____.
- 1.20 Quinolones exert its antimicrobial action by inhibiting _____ enzyme.
- 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:**
(20 x 0.5 = 10)
- 2.1 Gray baby syndrome in neonate is due to incomplete or non-metabolism of - ()
1. Chloramphenicol
 2. Aminoglycosides
 3. Penicillin
 4. Erythromycin
- 2.2 More commonly bacterial resistance is acquired by- ()
1. Transformation
 2. Transduction
 3. Conjugation
 4. Mutation
- 2.3 An anti-coccidial drug with selective inhibition of thiamine uptake-()
1. Amprolium
 2. Clopidol
 3. Arprinocid
 4. None of these
- 2.4 Prolonged oral therapy of broad spectrum antibiotics leads to- ()
1. Super infection
 2. Idiosyncrasy
 3. Anaphylaxis
 4. Hypovitaminosis
- 2.5 All of the following are antiviral drugs except- ()
1. Zidovudin
 2. Tolnaftate
 3. Acyclovir
 4. Vidarabine
- 2.6 Anticancer drugs are dosed on the basis of- ()
1. Surface area
 2. Total body mass
 3. Both 1 & 2
 4. None of these

- 2.7 An antibiotic shows <90% plasma protein binding, which means- ().
1. Good tissue distribution
 2. More toxic
 3. It is rapid acting
 4. It is slow acting
- 2.8 Administration of Penicillin-G is not recommended by- ()
1. Oral route
 2. SC route
 3. IM route
 4. IV route
- 2.9 Partially digested worms are found in faeces after administration of- ()
1. Febantel
 2. Albendazole
 3. Praziquantel
 4. Levamisole
- 2.10 Ivermectin is effective against- ()
1. Cestodes
 2. Nematodes
 3. Ticks
 4. Nematodes and Ticks
- 2.11 Activated charcoal is an effective- ()
1. Absorbent
 2. Adsorbent
 3. Precipitant
 4. Chelator
- 2.12 One of the following is not a manmade source of poisoning- ()
1. Occupational
 2. Malicious
 3. Cosmic radiations
 4. Pesticides
- 2.13 Highly lipid soluble toxicants are- ()
1. More toxic
 2. Less toxic
 3. Mild toxic
 4. Non toxic
- 2.14 Specific antidote for oxalate toxicity is- ()
1. BAL
 2. DAM
 3. Atropine
 4. Disodium CaEDTA
- 2.15 Animal species most susceptible for Copper poisoning- ()
1. Cattle
 2. Goat
 3. Sheep
 4. Dog

- 2.16 Acute oral LD₅₀ for salt in pigs is- ()
1. 2.2 mg/kg
2. 1.9 mg/kg
3. 3.7 mg/kg
4. 4.8 mg/kg
- 2.17 Strychnine induces- ()
1. Hepatotoxicity
2. Haemolysis
3. Convulsions
4. Tremors
- 2.18 Red squill is- ()
1. Alkaloid
2. Glycoside
3. Resin
4. Saponin
- 2.19 One of the following is a natural insecticide- ()
1. Aldrin
2. Dimethoate
3. Pyrethrum
4. Dicofof
- 2.20 Food animal treated with methylene blue should not be slaughtered for- ()
1. 120 days
2. 180 days
3. 20 days
4. 80 days

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 What is selective toxicity in chemotherapy?

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3.2 Why doxycycline is a long acting antibiotic?

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3.3 Why tetracyclines should be avoided in young growing animals?

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3.4 Which antiviral drug is commonly used in bird flu?

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3.5 Why avermectins are called as endectosides?

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3.6 Why the bactericidal drugs shall be preferred in immunocompromised patients?

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3.7 What is a teratogenic toxicant?

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3.8 Why mastication becomes painful in chronic fluoride toxicity?

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3.9 Why organochlorines are harmful for environment?

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3.10 Why chronic ergotism causes gangrene?

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3.11 Why broad spectrum antibiotics are advised in snake bite?

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3.12 What is a bovine bonkers?

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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 Give the classification of antifungal drugs with examples

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.....

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4.2 Explain sequential blockade by sulphamide and trimethoprim combination

4.3 Explain general mechanism of action of anthelmintic drugs

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4.4 Give a short note on *Vinca* alkaloids

4.5 Give the mechanism of action, clinical signs and treatment of urea poisoning

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4.6 Explain dental fluorosis with mechanism of action

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4.7 Give a short note on toxicity of anticoagulant type of rodenticides.

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4.8 Explain the treatment in poisonous snake bite.

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

- 5.1 Explain AMR with the mechanisms involved and measures to avoid AMR.
- 5.2 Give in detail the drugs used to control external parasites with their mechanism of action.
- 5.3 Explain in detail the HCN poisoning in ruminants