

For Library Use

Total Number of Pages 16

B.V.Sc. & A.H. (Third Professional) Examination – 2019
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:

Candidate should not write anything below this line

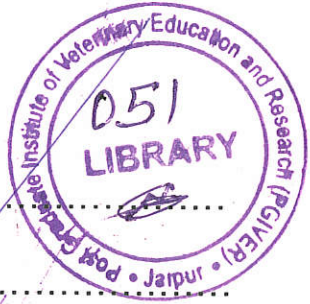
Marks to be filled by the examiner:

Section A	
Q. No.	Marks
1.	
2.	
3.	
4.	
5.	
Total	

Total Marks obtained:

In figures: In words:

Signature of examiner:



Donot write across this line

Please write your Roll Number above this line

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 form 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. (Third Professional) Examination – 2019
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.

(20x0.5 = 10)

- 1.1 _____ scientist is known as father of chemotherapy.
- 1.2 _____ is the main principle of chemotherapeutic drug use.
- 1.3 _____ is the natural source of gentamicin.
- 1.4 _____ is the more lipid soluble and long acting tetracycline.
- 1.5 _____ type antibiotics used for immunocompromised animals.
- 1.6 _____ is the gut acting sulphonamide antibiotic.
- 1.7 _____ is an anthelmintic drug with immunomodulation property.
- 1.8 _____ is the effective drug against mature and immature liver fluke infection.
- 1.9 _____ is the 1st line anti-tubercular drug.
- 1.10 _____ is the oxidizing type antiseptic reagent.
- 1.11 _____ is substances which are foreign to the body and are biologically active.
- 1.12 _____ toxicity causes cytochrome oxidase enzyme inhibition in buffalo.
- 1.13 _____ is most toxic form of aflatoxin present in feed.
- 1.14 _____ toxicity causes vulvo-vaginitis syndrome in pigs.
- 1.15 _____ poisoning causes garlic like odour of expired air.
- 1.16 _____ vitamin deficiency caused by Braken fern plant in horses.

- 1.17 _____ is the study of unlawful use of toxic agents and their detection for judicial purpose.
- 1.18 _____ species of snakes produces neurotoxicity in animals.
- 1.19 _____ disease caused by chronic selenium exposure in sheep.
- 1.20 _____ term is used for the chronic fluoride toxicity.

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 Which of the followings act as an antagonists and prevent the action of sulphonamides: ()
1. Para-aminobenzoic acid (PABA)
 2. Folic acid.
 3. Presence of pus at the site action.
 4. All of above.
- 2.2 Which of the followings is act as inhibitor of bacterial cell wall synthesis: ()
1. Polymyxin.
 2. Aminoglycosides
 3. Carbapenems
 4. Amphenicols
- 2.3 Which of the followings is a narrow-spectrum antibiotic effective in gram negative bacterial infection: ()
1. Tetracycline
 2. Streptomycin
 3. Penicillin-G
 4. Clindamycin
- 2.4 Which of the followings mechanism is responsible for development of antimicrobial resistance: ()
1. Alterations of antibiotic penetration in bacteria
 2. Drug inactivating enzymes produced by bacteria
 3. Alterations in metabolic pathway of bacteria
 4. All of above
- 2.5 Which of the followings is the drug of choice for *mycobacterium laprae* infection: ()
1. Nitrofurantoin
 2. Furazolidone
 3. Dapsone
 4. Nitrofurazone
- 2.6 Which of the followings is a pseudomonas effective penicillin: ()
1. Ampicillin
 2. Carbenicillin
 3. Dicloxacillin
 4. Amoxicillin

- 2.7 Which of the followings congener of chloramphenicol, causes reversible bone marrow depression: ()
1. Thiamphenicol
 2. Florfenicol
 3. Both of above
 4. None of above
- 2.8 Bromhexine is derived from medicinal plant: ()
1. *Azadirachta indica*
 2. *Adhatoda vasica*
 3. *Glycyrrhiza glabra*
 4. *Butea monosperma*
- 2.9 Natural source of vincristine and vinblastine anti-cancerous drugs is: ()
1. *Podophyllum peltatum*
 2. *Lobelia inflata*
 3. *Vinca rosea*
 4. *Luffa echinata*
- 2.10 Which is specifically distributed in keratin layer of skin and drug of choice for the treatment of ring worm infection: ()
1. Griseofulvin
 2. Amphoterin-B
 3. Nystatin
 4. Ketoconazole
- 2.11 Which of following plant poisoning causes lumbar paralysis in goats: ()
1. *Datura stramonium*
 2. *Ricinus communis*
 3. *Nerium indicum*
 4. *Ipomoea carnea*
- 2.12 Which of the following is causes primary photosensitization: ()
1. CCl_4
 2. *Lantana camara*
 3. Phenothiazine
 4. None of above
- 2.13 Which of the following is the major green house gas: ()
1. Methane
 2. Sulfur dioxide
 3. Carbon dioxide
 4. Carbon monoxide
- 2.14 Which of the following poisoning causes swollen gunmetal colour kidney: ()
1. Lead
 2. Copper
 3. Arsenic
 4. Phosphrous
- 2.15 Certain safety factor is calculated by formulae: ()
1. LD_{50}/ED_{50}
 2. LD_{25}/ED_{75}
 3. LD_1/ED_{99}
 4. TD_{25}/ED_{50}



Please write your Roll Number above this line

2.16 δ -aminolevulinic acid is the marker for diagnosis of which toxicity:()

1. Lead
2. Nitrate
3. Nitrite
4. Urea

2.17 Which of the following animal produces ichthyotoxins: ()

1. Toads
2. Fish
3. Bees
4. Spiders

2.18 Which of the following is used for the treatment of oxalate plant poisoning: ()

1. Disodium calcium EDTA
2. Calcium gluconate
3. Sodium thiosuphate
4. None of above

2.19 Which of the following is most susceptible species for *sorghum vulgare* toxicity: ()

1. Horse
2. Pig
3. Sheep/goat
4. Cattle/Buffalo

2.20 Which of the following bacterial toxins are potent neurotoxin: ()

1. Botulinum toxin
2. Tetanus toxin
3. Diptheria toxin
4. Cholera toxin

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 Explain potentiated penicillins

3.2 Antibiotics

Please write your Roll Number above this line

3.3 Give reason why aminoglycosides are not given through oral route.

3.4 Drugs used in the treatment of giardiasis/amoebiasis.

3.5 Give therapeutic use of tetracyclines

3.6 Define and give example of endectocide drug

3.7 Toxinology



3.8 NOAEL

3.9 Withdrawal period

3.10 Lethal synthesis

3.11 Air pollutants

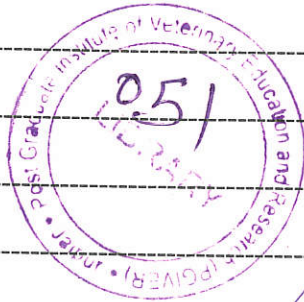
3.12 Acute toxicity studies

Do not write across this line

Please write your Roll Number above this line

Q.4 Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. (6 x 6.0 = 36)

4.1 Ideal characteristics of antimicrobial agent



4.2 Mode of action of β -lactam antibiotics

4.3 Toxicity of aminoglycosides in animals

4.4 Anti-tubercular drugs

Do not write across this line

4.5 Diagnosis of poisoning in animals



4.6 Diseases caused by Molybdenum toxicosis in animals

4.7 Radiation toxicity

4.8 Chronic selenium poisoning in animals

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

(2x12.0 = 24)

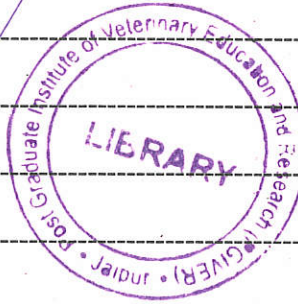
- 5.1 Define floroquinolones, classify them based on chemical nature and generation of development, give mode of action, antimicrobial spectrum, therapeutic use and toxicity of floroquinolones in animals.
- 5.2 Give examples of various organophosphate compounds, give mechanism of toxicity, clinical symptoms, diagnosis and treatment of organophosphate toxicity in animals.
- 5.3 Discuss in detail about various factors affecting the toxicity of compounds in

Do not write across this line

Please write your Roll Number above this line

Q. No.

Lined area for writing the answer to the question.



Please write your Roll Number above this line

Handwriting practice lines consisting of multiple horizontal dashed lines. A large, curved black line is drawn across the page, starting from the top center and ending at the bottom right. A purple line is drawn from the middle left towards the bottom right. A faint circular stamp is visible in the lower-middle section of the page.

Donot write across this line

Please write your Roll Number above this line

Q. No.



Please write your Roll Number above this line

Lined writing area with horizontal dashed lines. A purple circular stamp is visible in the middle-right section. The stamp contains the text: "051 LIBRARY" in the center, and "Post Graduate Institute of Veterinary Education and Research, GILVERI, Jaipur." around the perimeter. There are also some faint purple markings in the upper-left quadrant.

----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----
----- ✂ -----

Donot write across this line