

— Please write your Roll Number above this line —

Total Number of Pages 16

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

**Veterinary Pathology Paper – I
(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

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. (Second Professional) Examination – 2023
Veterinary Pathology Paper – I

Time: Three Hours

Maximum Marks: 100

Weightage: 20

Unit-1 (General Veterinary Pathology)

Unit-2 (Systemic Veterinary Pathology)

Unit-3 (Animal Oncology, Veterinary Clinical Pathology And Necropsy)

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 _____ of lungs occur in chronic general passive hyperaemia due to left side heart failure.
- 1.2 _____ is the branch of medicine which deals with the study of essential nature of disease especially the structural and functional changes in cell, tissue and organs which caused by disease.
- 1.3 _____ inflammation is chronic in nature and is found in tuberculosis.
- 1.4 Faulty drenching of medicine in cow may produce _____ gangrene of lungs.
- 1.5 _____ means art of determination of the nature and cause of particular disease.
- 1.6 _____ is the abnormal curvature & dorsal prominence of spine.
- 1.7 Decreased intensity of staining of erythrocytes is known as _____.
- 1.8 Softening of brain parenchyma is known as _____.
- 1.9 _____ is presence of cast in urine.
- 1.10 _____ mean lack of hair, wool or feather.
- 1.11 Cystic dilatation of salivary duct at the floor of mouth is known as _____.
- 1.12 A _____ is an atom, or a group of atoms, that has one or more unpaired electrons in the outer orbital.
- 1.13 Gravitational pooling of blood to the down side of the animal after death is known as _____.

- 1.14 Ideal size of tissue section in section cutting during histopathological techniques is _____.
- 1.15 _____ degeneration is seen in FMD.
- 1.16 _____ cells are predominantly present in granulomatous inflammation.
- 1.17 Black-Green-Grey discoloration of the tissue by iron sulphide after death is known as _____.
- 1.18 Heat shock proteins are also called _____.
- 1.19 Appearance of fresh blood in stool is called as _____.
- 1.20 _____ is a most commonly used tissue fixative.

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 First change occur after death is ()
1. Algor mortis
2. Formation of bloat
3. Rigor mortis
4. All of the above
- 2.2 Autolysis of dead tissue by enzymes derived from inflammatory leucocytes is called as ()
1. Autolysis
2. Heterolysis
3. Chromatolysis
4. Lysis
- 2.3 Alteration in the size, shape and orientation of adult cells is called as ()
1. Metaplasia
2. Hyperplasia
3. Dysplasia
4. Anaplasia
- 2.4 Special stain used for amyloid is ()
1. Oil red O
2. Congo red
3. Sudan I
4. All of the above
- 2.5 The total RBC count is expressed as ()
1. Millions of cells per cu.mm
2. Volume percent
3. g%
4. Number of cells per millimeter

- 2.6 Which of the following is most commonly used as a clearing agent in histopathological techniques. ()
1. Benzene
 2. Chloroform
 3. Toluene
 4. Xylene
- 2.7 A foreign material capable of inducing the production of antibodies is ()
1. Agglutinin
 2. Antigen
 3. Antipyretic
 4. Antidote
- 2.8 Hemolysis may give rise to _____ icterus. ()
1. Pre-hepatic
 2. Post-hepatic
 3. Toxic
 4. None of the above
- 2.9 Programmed cell death is known _____ in living body. ()
1. Necrosis
 2. Somatic death
 3. Apoptosis
 4. Autolysis
- 2.10 Vitamin which is important for wound healing. ()
1. Vitamin A
 2. Vitamin B
 3. Vitamin C
 4. Vitamin D
- 2.11 Reduction in total number of circulatory leucocytes is called ()
1. Leucocytosis
 2. Leucopenia
 3. Lymphocytosis
 4. None of the above
- 2.12 The exostosis which is found on the 1st and 2nd phalanx is called ()
1. Ring bone
 2. Splint
 3. Spavin
 4. None of the above
- 2.13 Which of the following endocrine gland is known as a conductor of endocrine orchestra. ()
1. Thyroid
 2. Parathyroid
 3. Adrenal
 4. Anterior pituitary
- 2.14 Inflammation of prepuce is called ()
1. Posthitis
 2. Balanitis
 3. Balanoposthitis
 4. All of the above

- 2.15 Photosensitization occurs due to ()
1. Ingestion of preformed photodynamic agent
2. Abnormal porphyrin metabolism
3. Accumulation of phylloerythrin
4. All of the above
- 2.16 _____ is an insoluble brownish-yellow pigment known as a wear and tear or aging pigment. ()
1. Melanin
2. Lipofuscin
3. Porphyrin
4. Haemosiderin
- 2.17 Rigor mortis set up quickly in carcass in case of ()
1. High external temperature
2. Death of animal after violent exercise
3. Death of animal due to Tetanus or Strychnine poisoning
4. All of the above
- 2.18 Pain occurs in the inflamed area because of ()
1. Increased pressure on sensory nerve ending
2. Stretching of tissue from accumulation of exudate
3. Action of chemical mediators
4. All of the above
- 2.19 _____ is a condition characterized by an excessive accumulation of fluid in the interstitial tissue spaces or body cavity. ()
1. Thrombosis
2. Embolism
3. Infarction
4. Oedema
- 2.20 Father of cellular pathology ()
1. John Hunter
2. Robert Koch
3. Rudolph Virchow
4. Jean Fernel

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 Aetiology

.....
.....
.....

3.2 Cell injury

.....
.....
.....

3.3 Pncumoconiosis

3.4 Dry Gangrene

3.5 Frustrated phagocytosis

3.6 Equine laryngeal hemiplegia

3.7 Atelecctasis

3.8 Tetralogy of Fallot

3.9 Intussusception

3.10 Metastasis

3.11 Exfoliative cytology

3.12 Polycythemia

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 Pathological Calcification

Donot write across this line

Please write your Roll Number above this line

4.2 Pathways of neoplasm spread

4.3 Absolute erythrocytosis

Please write your Roll Number above this line

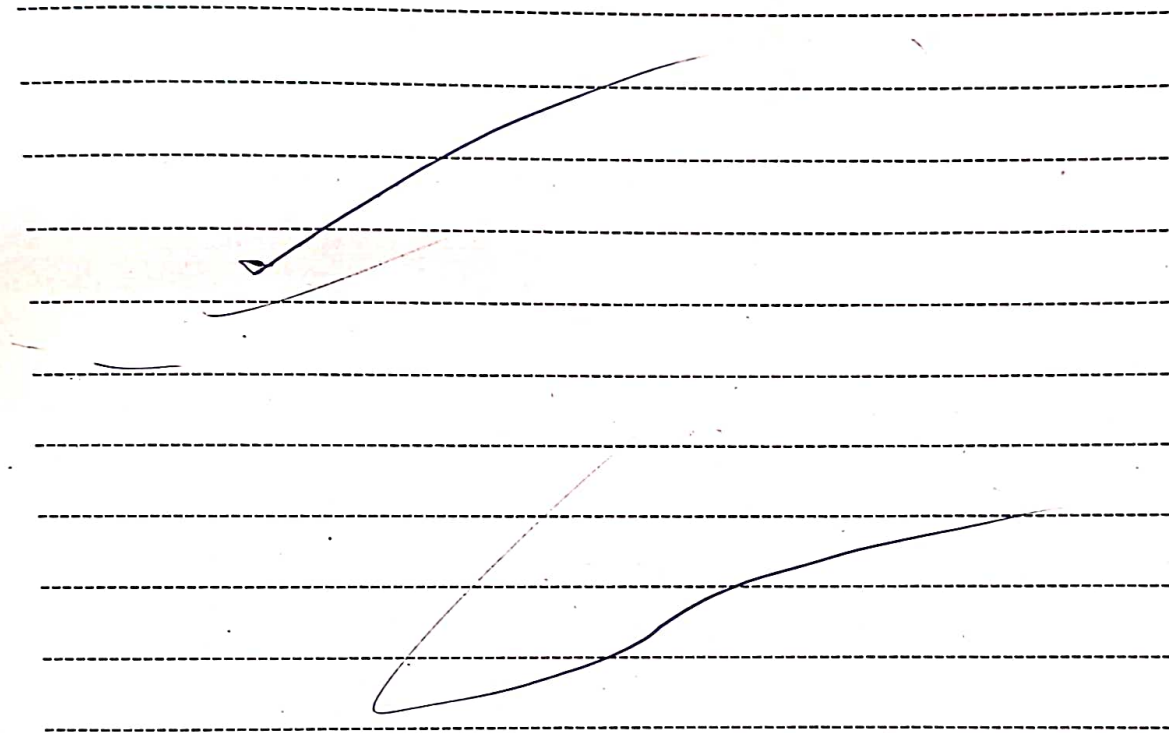
4.4 Autoimmunity

4.5 Horn cancer

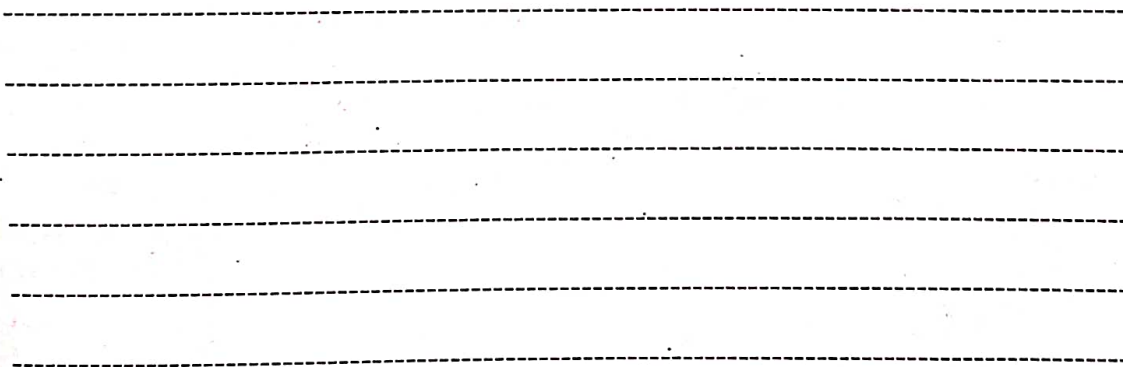
Donot write across this line

Please write your Roll Number above this line

4.6 Wound healing



4.7 Post Mortem changes



4.8 Pyometra

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

(2x12.0 = 24)

- 5.1 Define Cirrhosis. Write in detail about pathology of cirrhosis. (3 + 9 = 12)
- 5.2 Enlist cardinal signs of Inflammation. Describe circulatory changes in inflammation. (3 + 9 = 12)
- 5.3 Classify the inflammation of kidney. Describe in detail about Interstitial nephritis. (3 + 9 = 12)

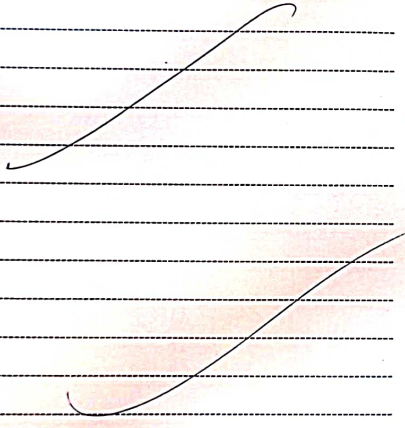
Please write your Roll Number above this line

Q. No.

Do not write across this line

Please write your Roll Number above this line

Handwritten scribbles on page 14:

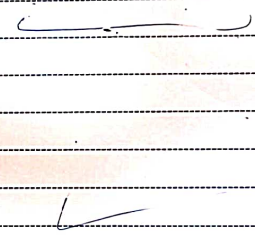


Do not write across this line

Please write your Roll Number above this line

Q. No.

Handwritten scribbles on page 15:



Do not write across this line