

Please write your Roll Number above this line

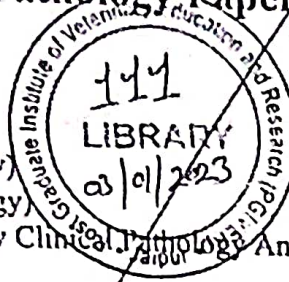
**B.V.Sc. & A.H. (Second Professional) Examination – 2022  
Veterinary Pathology Paper – II**

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 Deficiency of riboflavin (Vitamin B<sub>2</sub>) in poultry birds leads to \_\_\_\_\_ (clinical condition).
- 1.2 \_\_\_\_\_ is an estrogenic mycotoxin produced by fungi of *Fusarium* species.
- 1.3 \_\_\_\_\_ (name the parasite) transmits *Histomonas meleagridis* that causes histomoniasis in poultry.
- 1.4 Infectious myxomatosis of rabbit is caused by \_\_\_\_\_.
- 1.5 Zebra marking in rectum are seen in \_\_\_\_\_ disease of cattle.
- 1.6 Turkish towel appearance of crop is seen in \_\_\_\_\_ (name of the disease)
- 1.7 *Brucella abortus* in cattle causes abortion in \_\_\_\_\_ trimester of gestation.
- 1.8 LCMV stands for \_\_\_\_\_.
- 1.9 Deficiency of \_\_\_\_\_ leads to sway back in sheep.
- 1.10 In pigs died of swine fever the kidneys show characteristic \_\_\_\_\_ appearance.
- 1.11 Tick fever in birds is caused by \_\_\_\_\_, a spiral and motile organism.
- 1.12 Star gazing syndrome in poultry birds is due to deficiency of \_\_\_\_\_.
- 1.13 Hemorrhagic septicemia in bovines is caused by \_\_\_\_\_.
- 1.14 \_\_\_\_\_ is also called as lumpy jaw.
- 1.15 \_\_\_\_\_ in mouse is characterized by loss of limbs and tail.

Donot write across this line

Please write your Roll Number above this line

- 1.16 During suspected cases of aflatoxicosis \_\_\_\_\_  
mainly affected.
- 1.17 Bronze colored liver with small necrotic foci in poultry birds is seen in \_\_\_\_\_ (Name of the disease).
- 1.18 Avian Influenza and New Castle disease can be differentiated on the basis of \_\_\_\_\_ test.
- 1.19 Full form of FIV is \_\_\_\_\_ and it resembles human counterpart.
- 1.20 Dunkop is commonly seen in \_\_\_\_\_ (species of animals).

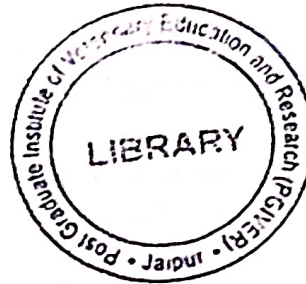
Q.2 Choose the most suitable answer and write the number of the correct answer 1 or 2 or 3 or 4 in the space given against each sub question: (20x0.5 = 10)

- 2.1 Ear Canker in rabbit is caused by
1. *Listrophus gibbus*
  2. *Spilopsyllus cuniculi*
  3. *Psoroptes cuniculi*
  4. *Cheyletiella parasitovorax*
- 2.2 Death of suckling calves in FMD occurs due to
1. Encephalitis
  2. Myocarditis
  3. Nephritis
  4. Hepatitis
- 2.3 Characteristic enlargement of bursa followed by atrophy is seen in ( )
1. Gumboro disease
  2. Avian encephalomyelitis
  3. Ranikhet Disease
  4. Infectious laryngotracheitis
- 2.4 Brucellosis in cattle is also known as ( )
1. Farcy
  2. Wool sorter's disease
  3. Diamond skin disease
  4. Bang's disease
- 2.5 Cerebellar hypoplasia in young cubs is seen due to ( )
1. Canine distemper
  2. Feline parvovirus infection
  3. Feline calcivirus infection
  4. Feline corona Virus infection
- 2.6 In Lymphoid leucosis, the virus causes neoplastic transformation of ( )
1. T lymphocytes
  2. Immature RBC's
  3. Immature WBC's
  4. B lymphocytes



Please write your Roll Number above this line

- 2.7 Granulomatous lesion produced by *Staphylococcus aureus* in udder of cattle are known as ( )
1. Actinomycosis
  2. Nocardiosis
  3. Botryomycosis
  4. Aspergillosis
- 2.8 Biphase fever in dogs is seen in which of the following disease ( )
1. ICH
  2. CD
  3. Leptospirosis
  4. Rabies
- 2.9 Litchi heart disease in broilers is caused by ( )
1. Fowl Adenovirus
  2. Corona virus
  3. Reovirus
  4. Picorna virus
- 2.10 Micro abscesses in medulla and leptomenigitis are characteristic lesions in ( )
1. Tuberculosis
  2. Pastuerellosis
  3. Leptospirosis
  4. Listeriosis
- 2.11 Watery mustard colour stool with distended abdomen in mice is seen in ( )
1. Mouse rotavirus infection
  2. Mouse cytomegalo virus infection
  3. Mouse parvovirus type 1 infection
  4. Mouse thymic virus
- 2.12 Shipping fever is caused by ( )
1. *Salmonella typhimurium*
  2. *Mannheimia hemolytica* type A1
  3. *Listeria monocytogenes*
  4. *Pasteurella multocida*
- 2.13 Rickets is caused in birds due to deficiency of ( )
1. Magnesium
  2. Vitamin D3
  3. Vitamin E
  4. Vitamin K
- 2.14 Kyasanur forest disease is transmitted by ( )
1. Boophilus
  2. Rhipicephalus
  3. *Haemophysalis spiniger*
  4. Hyalomma
- 2.15 Equine farcy is a cutaneous form of ( )
1. Strangles
  2. Equine influenza
  3. African Horse Sickness
  4. Glanders



Please write your Roll Number above this line

- 2.16 *Eimeria tenella* causes lesions in the ( )
1. Small intestine
  2. Duodenum
  3. Caecum
  4. Mid gut

- 2.17 In theileriosis there is ( )
1. Hemoglobinuria
  2. Enlargement of superficial lymph nodes
  3. Myoglobinuria
  4. Hematuria

- 2.18 *Aspergillus fumigatus* in poultry causes ( )
1. Moniliasis
  2. Thrush
  3. Brooder pneumonia
  4. Favus

- 2.19 Pulpy kidney disease in lambs result due to enterotoxaemia caused by ( )
1. *Clostridium perfringens* type A
  2. *Clostridium perfringens* type B
  3. *Clostridium perfringens* type C
  4. *Clostridium perfringens* type D

- 2.20 In birds ingestion of toxins produced by *Clostridium botulinum* causes ( )
1. Quail enteritis
  2. Necrotic enteritis
  3. Limber neck disease
  4. Gangrenous dermatitis

Q.3 Define any TEN out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10 x 2.0 = 20)

3.1 Wry neck

.....

.....

.....

3.2 Ascoli's Test

.....

.....

.....



Please write your Roll Number above this line

3.3 Osteopetrosis

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

3.4 \* Blue breast

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

3.5 Cannibalism

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

3.6 False layer



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

3.7 \* Weepy eye of rabbits

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

3.8 Negri bodies

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

Please write your Roll Number above this line

3.9 Black Disease

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

3.10 Mycotoxicosis

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

3.11 Bastard strangles

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

3.12 Takes

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

Q.4 Write Short notes on 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 Tyzzer's disease

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

Please write your Roll Number above this line

42 Scrapie



43 Inclusion body hepatitis



Please write your Roll Number above this line

4.4 Kyasnur forest disease

4.5 Black quarter

Donot write across this line  
Nnnnt write across this line



Please write your Roll Number above this line

4.6 Brooder pneumonia



4.7 Johne's Disease

Do not write across this line

4.8 Ceccal coccidiosis

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

(2x12.0 = 24)

- 5.1 a) Enlist important mycobacterial diseases in Cattle. (2.0)  
b) Discuss pathogenesis and pathology of Bovine tuberculosis. (10.0)
- 5.2 a) What are different forms of New Castle disease. (4.0)  
b) Discuss in details the pathology of Doyle's form of New Castle disease (8.0)
- 5.3 a) Name different serotypes of FMD Virus (3.0)  
b) Discuss in details the pathology of FMD in cattle (9.0)