

## Multiple Choice Questions

### Veterinary Pathology

1. Heart failure cells are seen in:-
  - a) **Left side heart failure**
  - b) Right side heart failure
  - c) Both
  - d) None of the above.
2. Cholecystitis involves inflammatory response in:-
  - a) Bile duct only
  - b) Bile duct and gall bladder
  - c) **Gallbladder only**
  - d) Bile duct, gallbladder and adjacent liver parenchyma.
3. Aujeszky's disease is caused by:-
  - a) Adenovirus
  - b) Retrovirus
  - c) **Herpes virus**
  - d) Reo virus.
4. Epithelial pearls are seen in:-
  - a) **Squamous cell carcinoma**
  - b) Adenosarcoma
  - c) Adenoma
  - d) Cholangio-carcinoma
5. Most common sites for metastatic spread of malignant tumors is:-
  - a) Liver and brain
  - b) Lungs and brain
  - c) Liver and kidney
  - d) **Liver and lungs**
6. Which nephritis is due to antigen antibody reaction:-
  - a) Embolic nephritis
  - b) **Glomerulonephritis**
  - c) Interstitial nephritis
  - d) Pyelonephritis
7. Twisting of the intestine on its mesenteric axis is called as:-
  - a) **Volvulus**
  - b) Torsion
  - c) Intussusception
  - d) Paralytic ileus
8. Folliculitis is inflammation of:-
  - a) Graafian follicle
  - b) **Hair follicle**
  - c) Fat
  - d) Spinal cord
9. Pathogenesis of which of the following diseases involves 'prostaglandin' substance:-
  - a) Black quarter
  - b) **Tetanus**
  - c) Braxy
  - d) Enterotoxemia
10. Predominant cell in pus is:-
  - a) **Lymphocyte**

b) Monocyte

c) **Neutrophil**

d) Eos inophil



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11. Main pathological alteration in pox disease is-

a) **Hydropic degeneration**

b) Hyaline degeneration

c) Cellular swelling

d) Amyloid degeneration

12. Crop mycosis is caused by-

a) **Fungus**

b) Bacteria

c) Virus

d) Prion

13. Haemorrhage at tip of proventriculus is main lesion in-

a) Avian influenza

b) IBD

c) IB

d) **Ranikhet disease**

14. Marek's disease is characterized by-

a) Enlargement of muscles

b) Enlargement of joints

c) **Enlargement of nerves**

d) Deformity in bones

15. Equine sarcoid is caused by-

a) Paramyxovirus

b) Reovirus

c) Poxvirus

d) **Papillomavirus**

16. Coligranuloma is associated with-

- a) *Salmonella spp.*
- b) *E. colispp.***
- c) *Klebsiella spp.*
- d) Viral origin

17. Omarthritis is inflammation of-

- a) Stifle joint
- b) Tarsal joint
- c) Knee joint
- d) Shoulder joint**

18. Which of the following is corrected matched-

- a) Anthracosis is- liver
- b) Maditch- Se deficiency
- c) Free radical-unpaired electron in inner orbit
- d) Hepatic coccidiosis is-absent in poultry.**

19. In Zn deficiency parakeratosis is seen in-

- a) Swine**
- b) Birds
- c) Horse
- d) Caprine

20. Identify the incorrect match-

- a) Mn-perosis
- b) Se- alkali disease
- c) Elephant-FMD

**d) Rhinoceros-FMD**

21. Blood in sputum is termed as-

- a) Haemoptysis**
- b) Haematuria
- c) Epistaxis
- d) Haemetemes is

22. First line of defence in inflammation is-

- a) Lymphocyte
- b) Monocyte
- c) Neutrophil**
- d) Basophil

23. Foul smelling diarrhea containing fat is called as-

- a) Ceratorrhea
- b) Steatorrhea**
- c) Steatitis
- d) Keratitis

24. Necrotizing myositis is feature in-

- a) Black leg
- b) Black disease
- c) Black Quarter
- d) Both a and c**

25. Sequel of FMD is-

- a) Ulcer
- b) Hair loss
- c) Panting**
- d) Myositis

26. Which of the following is incorrect-



a) Bloody exudate- ILT

**b) Soft pad-Canine distemper**

c) Hyaluronidase-rabies

d) Erythritol-Brucellosis

27. Sequel of canine distemper is-

a) Paralysis

b) Shivering

**c) Chorea**

d) Paraphymosis

28. Haemoglobin is expressed in-

a) %

**b) gm %**

c) Cubic mm

d) millions/cumm

29. Haematocrit is also known as-

a) ESR

**b) PCV**

c) DLC

d) MCHC

30. Programmed cell death is called

as-

a) Necrosis

b) Autolysis

c) Gangrene

**d) Apoptosis**

31. Nodules of tuberculosis is example of-

a) Liquifactive necrosis

**b) Caseative necrosis**

c) Coagulative necrosis

d) Fat necrosis

32. Which of the following organism is detected by dark field microscopy of urine-

**a) *Leptospira spp.***

b) *Brucella spp.*

c) *Corynebacterium spp.*

d) *Bacillus spp.*

33. Inflammation of crop is called as-

a) Cropitis

**b) Ingluvitis**

c) Spondylitis

d) Lampas

34. Lumpy skin disease is caused by-

**a) Poxvirus**

b) Paramyxovirus

c) Picornavirus

d) Reovirus

35. Blue tongue virus is transmitted by-

a) Contact

b) Fleas

c) Culex

**d) *Culicoides spp.***

36. Classical example of gas gangrene is-

a) Tetanus

b) Braxy

c) Enterotoxaemia

**d) Black quarter**

37. Intracytoplasmic and intranuclear inclusions are present in-

a) Rabies

b) Pox

**c) Canine distemper**

d) ICH

38. Brooder pneumonia is caused by -

a) *Aspergillus niger*

**b) *Aspergillus fumigatus***

c) *Candida albicans*

d) *Brucella abortus*

39. Bollinger bodies are feature of-

a) Rabies

**b) Pox**

c) IBD

d) ICH

40. Which of the following is not of morbillivirus genus-

a) Measles

b) CD

**c) ICH**

d) Rinderpest

41. Sway back condition is due to deficiency of-

a) Se

**b) Cu**



- c) Mg
- d) Iodine

42. Omphalitis is caused by-

- a) *Salmonella* spp.
- b) *E. colispp.***
- c) *Campylobacterspp.*
- d) None.

43. Main feature of chronic inflammation is-

- a) Infiltration of gaint cells
- b) Infiltration of neutrophils
- c) Fibrosis
- d) Both a and c**

44. Hypoxia causes-

- a) Dyspnoea
- b) Apnoea
- c) Polypnoea**
- d) Hyperpnoea

45. Vitamin C is synthesized in-

- a) Gallbladder
- b) Intestine**
- c) Kidney
- d) Skin

46. The lack of differentiation and reversion to embryonic type of cells is known as-

- a) Hyperplasia
- b) Aplasia

c) Metaplasia

d) **Anaplasia**

c) **Canalized thrombi**

d) Propagating thrombi



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47. Turkey egg kidney is found in-

a) Pseudorabies

b) **Swine fever**

c) Enterotoxemia

d) Pasteurellosis

52. Lines of Zahn is related with-

a) Infraction

b) Embolism

c) **Thrombosis**

d) Edema

48. The large cells containing lipid material and found in xanthomas are-

a) Reed-stenberg cells

b) Foreign body giant cells

c) **Touton giant cells**

d) Tumour giant cells

53. Hydrosalpinx is edema of-

a) **Oviduct**

b) Ovary

c) Vagina

d) Peritoneal cavity

49. Blue eye in cattle is also known as-

a) **Morexela bovis**

b) ICH

c) IBH

d) CD

54. Wool sorter's disease in man is due to-

a) Black quarter

b) **Anthrax**

c) Avian influenza

d) Schistosomiasis

50. Blue eye in dog is also known as-

a) ICH

b) CD

c) Rubarth's disease

d) **Both a and c**

55. Disease transmitted by vector is-

a) Rabies

b) **Blue tongue**

c) FMD

d) Fowl typhoid

51. In which of the following thrombi partial blood flow is maintained-

a) Lateral thrombi

b) Saddle thrombi

56. Stain for amyloid in tissue is-

a) **Congo red**

b) Best carmine

c) PAS

d) Alcian blue

57. Fragmentation of nucleus is called as-

- a) Pyknosis
- b) Karyolysis
- c) Karyorrhexis**
- d) Chromatolysis

58. Necrosis in which architectural details are preserved is-

- a) Coagulative**
- b) Caseative
- c) Liquefactive
- d) Fat necrosis

59. Cooling of body is called as-

- a) Cryo mortis
- b) Algor mortis**
- c) Rigor mortis
- d) Somatic death

60. Postmortem white clot is termed as-

- a) Chicken fat clot**
- b) Current jelly clot
- c) Thrombus
- d) None of the above

61. Macrophages of brain are-

- a) Epithelioid cells
- b) Microglial cells**
- c) Histiocytes
- d) Schwann cells

62. Which is absent in exudate-

- a) Irritant



b) WBC

c) RBC

**d) Platelets**

63. Diffuse spreading suppurative inflammation of connective tissue is called as-

a) Abscess

b) Furuncle

**c) Phlegmon**

d) Pustule

64. Mucopurulent exudates means-

a) More mucous than pus in exudate

**b) More pus than mucous in exudate**

c) Both are in equal quantity

d) Either a or b

65. Which Vitamin is required in wound healing-

a) K

**b) C**

c) E

d) A

66. Chronic irritation of a cell will lead to-

**a) Metaplasia**

b) Hyperplasia

c) Hypoplasia

d) Anaplasia

67. Hypostatic congestion is more common in-

a) Liver

b) Spleen

**c) Lungs**

d) Brain

68. Pin point haemorrhage are called as-

a) Extravasation

b) Ecchymoses

**c) Petechiae**

d) Apoplexy

69. Infarction is a area of-

a) Only ischemia

b) Ischemia with liquifactive necrosis

**c) Ischemia with coagulative necrosis**

d) Only liquifactive necrosis

70. In poultry Intadermal test in T.B. is performed at-

a) Skin

b) Comb

**c) Wattle**

d) All of the above

71. Most radioresistant organ is-

a) Spleen

**b) Brain**

c) Ovary

d) Skin

72. Most susceptible species for salt toxicity is-



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- a) Horses and swine
- b) Fowls and cattle
- c) Fowls and swine**
- d) Sheep and swine

73. Slipped tendon in fowl is due to deficiency of-

- a) Mn**
- b) S
- c) Co
- d) Se

74. Curled toe paralysis in fowl is due to deficiency of-

- a) Vitamin B1
- b) Vitamin B2**
- c) Vitamin A
- d) Vitamin B12

75. Which of the following is incorrect-

- a) Foul smelling diarrhea is absent in Johne's disease.
- b) Fat is stained by Sudan IV
- c) Deposition of iron dust in tissue is called as Siderosis
- d) In IB chick embryo inoculation lesions are absent.**

76. Neural lymphomatosis is main lesion in-

- a) IBD
- b) Marek's disease**

c) ALC

d) Ranikhet disease

77. Main target of virus is T cell in-

a) IBD

**b) Marek's disease**

c) ALC

d) Ranikhet disease

78. Rubber jaw syndrome is seen in-

**a) Tumors of parathyroid**

b) Tumors of adrenal

c) Tumors of pancreas

d) Tumors of thyroid

79. Localized dilatation of artery is called as-

a) Arteritis

**b) Aneurysm**

c) Arthritis

d) Lymphangitis

80. Abnormal notching of erythrocytes is called as-

a) Basophilia

**b) Crenation**

c) Cabot rings

d) Annulocytes

81. Increase in number of immature neutrophils is called as-

**a) Shift to left**

b) Shift to right

c) Neutrophilia

d) None of the above.

82. Inflammation of lymph node is called as-

a) Lymphangitis

**b) Lymphadenitis**

c) Both of the above

d) Lymphocytosis

83. Dilatation of bronchus is termed as-

a) Bronchitis

b) Bronchostenosis

**c) Bronchiectasis**

d) Bronchopneumonia

84. Erythritol sugar play important role in pathogenesis of-

a) Pasteurellosis

b) Salmonellosis

**c) Brucellosis**

d) Campylobacteriosis

85. Which is example of direct zoonoses-

a) Histoplasmosis

b) Japanese encephalitis

**c) Rabies**

d) Taeniasis

86. Most common strain of FMD is-

a) A

**b) O**

c) C

d) Asia-1

87. The most indicative symptom of



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Haemorrhagic septicaemia is-

- a) **Hard edema of neck**
- b) Stop feeding
- c) Difficult breathing
- d) High temperature

88. Amyelia means absence of-

- a) Legs
- b) Lower jaw
- c) Cranium
- d) **Spinal cord**

89. Swollen face in poultry is seen in-

- a) Infectious bronchitis
- b) **Infectious coryza**
- c) IBD
- d) Ranikhet disease

90. Mycoplasmal disease of poultry is-

- a) **Chronic respiratory disease**
- b) Chicken infectious anemia
- c) Infectious coryza
- d) Avian encephalomyelitis

91. Avian encephalomyelitis is also known as-

- a) Bird flu
- b) Fowl pest
- c) Fowl plague
- d) **Epidemic tremor**

92. Haemorrhages at pectoral muscles are seen in-

a) **Infectious bursal disease**

b) Ranikhet disease

c) Infectious bronchitis

d) Pullorum disease

93. Which of the following statement is incorrect-

a) Horse is most susceptible to tetanus

b) Button ulcers in

called intestine are seen in swine fever

c) **Pulpy kidney is found in swine fever**

d) Overeating disease is enterotoxaemia

94. In which disease

haemoglobinuria is not a

feature-

a) Babesiosis

b) Leptospirosis

c) **Theileriosis**

d) None of the above

95. Vacuolation of neurons are seen

in-

a) Listeriosis

b) **Mad cow disease**

c) Rabies

d) Avian encephalomyelitis

96. Microabscesses in brain is

a) **Gid**

b) **Listeriosis**

c) Ranikhet disease

d) Bovine spongiform  
Meliodosis encephalopathy

97. Which of the following produces fibrinous perihepatitis in fowl-

a) **E. coli**

b) *Salmonella* lorum

c) *Pasteurella multocida*

d) IBD virus

98. Vaccine given at the first day as itself at hatchery is-

a) **Marek's disease**

b) Ranikhet disease

c) Fowl cholera

d) None of the above

99. Telescoping of intestine is of-  
called at

a) Volvulus

b) Torsion

c) **Intussusception**

d) Paralytic ileus

100. PPR is also called as-

a) **Goat plague**

b) Cattle plague

c) Swine plague

d) Sheep plague

101. Zebra markings in intestine is caused by-

a) **Rinder Pest**

b) PPR

c) Botulism

d)

102. Antigen in Spirochetes is

a) Mite

b) **Tick**

c) Flies

d) *Culicoides* spp.

103. Lymphoid leucosis is also

a) **Big liver disease**

b) Big kidney disease

c) Big spleen disease

d) Splenic fever

104. Oedema factor plays an important role in pathogenesis

a) Botulism

b) **Anthrax**

c) Listeriosis

d) Streptococcus

105. *Moraxella bovis* causes infection in-

a) Ears

b) **Eyes**

c) Foot

d) Skin

106. Wooden tongue is

pathognomonic lesion in-

seen  
in-

a) Actinomyces is



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b) **Actinobacillosis**

c) Spirochaetosis

d) Avian Tuberculosis

107. Equine infectious anaemia is also known as-

a) Damp fever

b) Malignant fever

c) **Swamp fever**

d) Avian nephritis

108. In which disease virus causes

destruction of neurons diffusely throughout grey matter-

a) Equine viral arteritis

b) Japanese B encephalitis

c) **Louping ill**

d) Bovine viral diarrhoea

109. Recent outbreak of avian influenza is by which strain-

a) H5N2

b) H7N1

c) H7N2

d) **H5N1**

110. Biphase fever is characteristic of-

a) Rabies

b) **Canine distemper**

c) Infectious canine hepatitis

d) Bovine ephemeral fever

111. Nasal granuloma in cattle is caused by-

a) *Schistosoma spindalis*

b) ***Schistosoma nasalis***

c) *Sporothrix schenckii*

d) *Rhinospiridium* spp.

112. Psittacosis is mainly a disease of

a) Elephant

b) **Birds**

c) Horse

d) Sheep

113. Sequestra is characteristic of

a) **CBPP**

b) CCPP

c) Both

d) None of the above

114. A disease in which cat acts as final host and intermediate host both-

a) Trichomoniasis

b) **Toxoplasmosis**

c) Besnoitiosis

d) Sarcocystosis

115. East coast fever is caused by-

a) *Theileria annulata*

b) ***Theileria parva***

c) *Eimeria acervulina*

d) *Isospora canis*

116. Species of Eimeria causing

coccidiosis is in proximal part of small intestine-

a) ***Eimeria acervulina***

b) *Eimeria stiedii*



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c) *Eimeria canis*

d) *Eimeria zuernii*

c) **Neutrophils**

d) Lymphocytes

117. Rhexis means-

a) **Escape of blood from a vessel by rupture of vessel**

b) Escape of blood from a vessel through intact vessel

c) A type of emboli

d) Postmortem congestion

118. Multiple linear mucosal haemorrhages in rectum is seen in-

a) ALC

b) **Ranikhet disease**

c) Marek's disease

d) Infectious coryza

119. Smallest RBC is found in-

a) **Goat**

b) Elephant

c) Rat

d) Horse.

120. In which outbreak at poultry farm maximum mortality of birds will be expected?

a) Ranikhet disease

b) Infectious Bronchitis

c) **Infectious Laryngotracheitis**

d) Avian Encephalomyelitis

121. Dohle's bodies are toxic granules

of-

a) Macrophages

b) Eosinophils



122. Tropical fever is caused by-

- a) *Theileria parva*
- b) *Theileria nula***
- c) *Babesia*
- d) *Anaplasma centrale*

123. Edema consisting of gelatinous

material in neck and brisket region seen in cattle in-

- a) Black Quarter
- b) Degenerative
- c) Botulism
- d) Haemorrhagic Septicemia**

124. Which is the main chemical mediator of inflammation?

- a) Serotonin
- b) Bradykinin
- c) Histamine**
- d) Interleukin-1

125. In Angara disease, the pathological finding is-

- a) Haemopericardium
- b) Hydropericardium**
- c) Myocarditis
- d) Pneumopericardium

126. Most pathogenic species/disease affecting Snakes-

- a) Pasteurellosis
- b) Histomoniasis
- c) Salmonellosis**
- d) Listeriosis

127. Increase in number of immature

lymphoid cells in blood is known as-

- a) Shift to left
- b) Shift to right
- c) Leukemia**
- d) Leukocytosis

128. Spleen with diffuse Amyloidosis

is known as-

- a) Sago spleen

**b) Bacon spleen**

c) Ham spleen

d) Pulpy spleen

129. Which of the following statement is incorrect-

- a) FMD doesn't occur in Elephant**
- b) Star grazing in chicken is due to vitamin B1 deficiency
- c) Actinomyces is mostly affects hard tissues in animals
- d) In Anthrax rigor mortis is absent.

130. Which of the following pair is

incorrectly matched?

- a) Haemoptysis- Blood in Vomitus**
- b) Pyelonephritis- Suppuration in kidney
- c) White muscle disease- Vitamin E
- d) Glanders- Mallein test

131. Which vitamin acts as antioxidant

- a) Vit. B
- b) Vit. D
- c) Vit. E**
- d) Vit. A

132. Macrophage in spleen are known

as

- a) Septal cell**
- b) Kuffer cell
- c) Alveolar cell

d) All of above  
133. Macrophage laden with



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haemosiderin pigment  
a) Kuffer cell

b) Foam cell

**c) Heart failure cell**

d) None of above

134. Toxic jaundice is also known as

a) Post hepatic jaundice

**b) Hepatic jaundice**

c) Pre hepatic jaundice

d) Obstructive jaundice

135. Siderosis means

a) Deposition of calcium in lung

**b) Deposition of iron dust in lung**

c) Deposition of silicon in lung

d) Deposition of silver particle in lung

136. Vanden Bergh test for obstructive jaundice

**a) Direct**

b) Indirect

c) Biphase

d) Both (b) & (c)

137. In abscess which type of necrosis is seen?

a) Coagulative necrosis

**b) Liquifactive necrosis**

c) Caseative necrosis

d) Fat necrosis

138. First change after death is

**a) Algor mortis**

b) Rigor mortis

c) Formation of bloat

d) Both (b) & (c)  
139. Cartwheel  
appearance of nucleus found  
in

a) **Plasma cell**

b) Basophils

c) Eosinophils

d) Monocyte

140. Extreme elevation of  
leucocyte  
in peripheral blood is known as

a) Shift to left

b) **Leukamoid reaction**

c) Right shift

d) Both (a) & (c)

141. Blood in vomitus

a) **Haematemesis**

b) Haemoptysis

c) Epistaxis

d) Melena

142. Bleeding from the oviduct is  
designated as:

a) Epitaxis

b) **Hemosalpinx**

c) Hematocele

d) Hematemesis

143. Condition which is  
hereditary  
and sex linked in which  
clotting is delayed:

a) Apoplexy

b) **Hemophilia**

c) Brown induration

d) Epistaxis

144. Transformation of one type  
of  
cell into another is known as:

a) Dysplasia

b) **Metaplasia**

c) Hyperplasia

d) Aplasia  
145. Capillary rupture and  
hemorrhage occurs due to  
deficiency of:

a) Vitamin B

b) **Vitamin C**

c) Thyroxine

d) Vitamin A

146. Healing by first intention  
occurs  
in:

a) **Closed wound**

b) Open wound

c) None of the above

d) All of above

147. The mass of proliferating  
connective tissue under scar is  
known as:

a) **Keloid**

b) Proud flesh

c) Cyst

d) Scar

148. Fibrin entraps the irritant and  
thus facilitates:

a) Diapedesis

b) Chemotaxis

c) **Phagocytosis**

d) Rhexis.

149. Blackhead disease is  
predominately a disease of-

a)

C

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c) Horse caused by  
Virus

d) Pig caused by Virus

150. Which of the following is  
correctly matched-?

a)

Picorn  
a  
virus-  
Ranikh  
et  
diseas  
e

b) **Lumpy  
skin  
disease  
- Pox  
virus**

c)

Diam  
ond  
skin  
disea  
se-  
Herp  
es  
virus

d) Paramyxo virus-FMD

\*\*\*\*\*

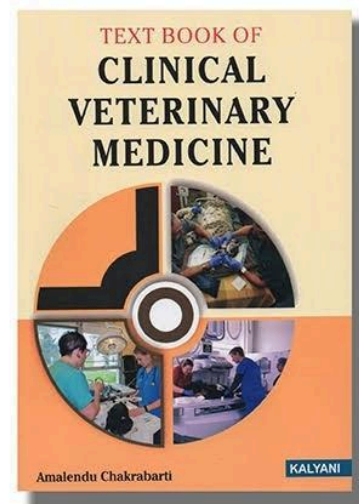


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# A Colour Atlas of Poultry Diseases



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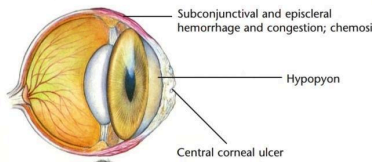
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Hill's Atlas of Veterinary Clinical Anatomy

## Corneal Ulceration



### Corneal Ulceration

#### Diagnostic Plan

History  
Physical examination  
Ocular examination  
Fluorescein stain  
Culture  
Cytologic examination

#### Therapeutic Plan

Antibacterial ointment and solutions  
Drugs that dilate the pupil  
Surgery  
Drugs to lessen the risk of pigment formation in the cornea

#### Dietary Plan

A diet based  
patient evaluation  
body condition  
organ system  
or disease