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Question Booklet Code :

Register
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2019

**ANIMAL HUSBANDRY AND VETERINARY SCIENCES
(PG DEGREE Std.)**

Time Allowed : 3 Hours

[Maximum Marks : 300

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. The applicant will be supplied with Question Booklet 15 minutes before commencement of the examination.
2. This Question Booklet contains 200 questions. Prior to attempting to answer, the candidates are requested to check whether all the questions are there in series and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed, it shall be reported to the Invigilator within first 10 minutes and get it replaced with a complete Question Booklet. If any defect is noticed in the Question Booklet after the commencement of examination, it will not be replaced.
3. Answer all questions. All questions carry equal marks.
4. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
5. An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers.
6. You will also encode your Question Booklet Code with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, action will be taken as per Commission's notification.
7. Each question comprises *four* responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
8. In the Answer Sheet there are **four** circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. If for any item, (B) is the correct answer, you have to mark as follows :

(A) ● (C) (D)

9. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the time of examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
10. **Do not make any marking in the question booklet except in the sheet before the last page of the question booklet, which can be used for rough work. This should be strictly adhered.**
11. In all matters and in cases of doubt, the English version is final.
12. Applicants have to write and shade the total number of answer fields left blank on the boxes provided at side 2 of OMR Answer Sheet. An extra time of 5 minutes will be given to specify the number of answer fields left blank.
13. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.

SEAL

◆ RAVS/19

SPACE FOR ROUGH WORK



1. The offence including causing suffering and pain to animals is punishable under _____ PCA Act.

(A) 1978 (B) 1958
 (C) 1960 (D) 1965

2. Animals which died of natural causes showing fullness of blood vessels and coloured meat is due to lack of proper bleeding.

(A) Dark red (B) Light red
(C) Brownish red (D) Greenish red

3. The white fat deposition in between groups of muscles is a characteristic feature of meat of which of the following species?

(A) Horse (B) Camel
 (C) Fish (D) Sheep

4. The appeal against an order passed by the veterinary officer under rules other than Rule 15 shall lie with the Director of Animal Husbandry within a period of _____ days from the date of such order.

(A) 20 days (B) 15 days
(C) 7 days (D) 28 days

5. The objective of the livestock Importation Act, 1898 is

(A) To Prevent Importation
(B) To destroy Imported Animals
 (C) To Prevent Infectious (or) contagious diseases
(D) To Punish Importers

6. An act to bring about a single statute to food and to lay down science based standards is

(A) BIS (B) ISI
 (C) FSSAI (D) MFPO

7. Govt. of India established _____ for strengthening infrastructure for production of more quality milk.

(A) National Dairy Development Board (NDDB)
 (B) Dairy processing and Infrastructure Development Fund (DIDF)
(C) National Agricultural Development Programme (NADP)
(D) National Dairy Research Institute (NDRI)

8. Ricin is a compound present in legume seeds which can be destroyed by

(A) Soaking in water
 (B) Heat treatment
(C) Germination
(D) Grinding

9. Vitamin E is absent in

(A) Wheat germ oil
 (B) Fish liver oil
(C) Cotton seed oil
(D) Sunflower oil

10. Rumen degradable and undegradable protein system was first proposed by

(A) Agricultural Research Council
(B) National Research Council
(C) Indian Agricultural Research Council
(D) Veterinary Council of India

11. The technique employed to calculate least cost and profit maximizing rations is called as

(A) Trial and Error method
(B) Pearson's Square method
 (C) Linear Programming
(D) Algebraic method

12. Which one of the following organisation has not involved for the study on problem of green house gas emissions and control in India?

(A) Indian Institute of Management (Ahmedabad)
(B) National Dairy Research Institute (Kurnool)
(C) Maulana Azad National Institute of Technology (Bhopal)
 (D) Indian Institute of Technology (Chennai)

13. Frequent kicking at abdomen, pawing, sweating and getting up and down are characteristic symptoms of

(A) Enteritis in goat
 (B) Colibacillosis in pigs
(C) Colic in horse
(D) Vibriosis in cattle

14. During first week of breeding the relative humidity should be

(A) 10-20%
 (B) 65-70%
(C) 80-90%
(D) 30-40%

15. Dairy animals can be kept in open padlock throughout the day and night except during milking is termed as

(A) Conventional barn system
 (B) Semi-intensive system
(C) Loose housing system
(D) Extensive system

16. The Dental pad of upper jaw is absent in

(A) Horse
(C) Cattle
(B) Sheep
(D) Goat

17. Which one of the following instrument is commonly used for opening of mouth of dairy cow?

(A) Muzzle
(C) Cradle
 (B) Gag
(D) Halter

18. Computation of inbreeding coefficient of an individual from pedigreed populations using path coefficient method was developed by

(A) Malecot
 (B) Haldane
(C) Wright
(D) Van Vleck

19. The freezing point of meat lies between _____ °C.
(A) 3 & 4 (B) 1 & 1.5
(C) 0 & 1 (D) -1 & -1.5

20. The recommended light intensity at work rooms in an abattoir is
(A) 10 foot candles
(B) 20 foot candles (C) 30 foot candles
(D) 40 foot candles

21. Egg is a potent source of the following
(A) Vitamin A, rich in Calcium and Vitamin C
(B) Vitamin D, low in Calcium and devoid of Vitamin C
(C) Vitamin B₁₂, high in Iron and devoid of Vitamin A & D
(D) Vitamin C, low in Iron and poor in Calcium

22. Casings are prepared from _____ layer of intestine.
(A) Mucosal (B) Sub-mucosal
(C) Muscular (D) Serosal

23. The haemal lymphnodes are found only in
(A) Pigs (B) Cattle
(C) Sheep and Goat (D) None of the above

24. Self-carbonated milk beverage is called as
(A) butter milk (B) flavoured milk
 (C) kefir (D) kumiss

25. The iron content of Khoa should be more than
(A) 175 ppm (B) 100 ppm
(C) 200 ppm (D) 250 ppm

26. The solubility index for roller dried milk powder is
(A) 25 (B) 15
(C) 30 (D) 10

27. Kostler number in mastitis milk is less than
(A) 4.0 (B) 3.0
(C) 4.5 (D) 6.0

28. The diacetyl content of butter as per PFA standard is
 (A) 4 PPM (B) 5 PPM
(C) 6 PPM (D) 3 PPM

29. Fat content of cow milk is
(A) 2.5% (B) 3.5%
(C) 5.5% (D) 4.5%

35. Normal twinning rate in Goats is
(A) 30% 40%
(C) 50% (D) 60%

36. Systematic walk with key informants through the area of interest, observing, listening and seeking problems and solutions is called as
(A) Social mapping
(B) Transact
(C) Walking exercise
(D) Observational study

37. A set of ideas developed for the operation of Co-operatives
 (A) Rochdale principles (B) Kelsey principles
(C) Roger principles (D) Kurian principles

38. Price spread is the difference between
 (A) Producer price and consumer price
(B) Fixed price and variable price
(C) Average price and marginal price
(D) Average cost and marginal cost

39. The demand for livestock products in India keeps rising, because they have _____ demand
(A) Income inelastic (B) Income elastic
(C) Price inelastic (D) Price elastic

40. The end product of aerobic glycolysis is
(A) Glucose (B) Pyruvate
(C) Lactate (D) Fructose

41. Contraction of gall bladder and relaxation of sphincter of oddi is initiated by
(A) Gastrin (B) Cholecystokinin
(C) Secretin (D) Bradykinin

42. What is the main function of paneth cells in small intestine?
(A) Absorption of nutrients
(B) Secretion of mucus
(C) Secretion of hormones
 (D) Production of bacteriolytic enzymes

43. Normally rubriblasts develop into matured erythrocytes in
 (A) 4-5 days (B) 14-15 days
(C) 24-25 days (D) 25-35 days

44. The Heterotopic bone present in the male genital tract of the Dog and Bats
(A) Osrostri (B) Oscordis
(C) Osphrenic (D) Ospenis

45. Ligaments are absent from this joint, so that dislocation very seldom occurs
(A) Elbow joint (B) Shoulder joint
(C) Hip joint (D) Stifle joint

46. This muscle extends from the distal third of the femur to the point of the hoof
(A) Soleus
(B) Superficial digital flexor
 (C) Gastrocnemius
(D) Deep digital flexor

65. Phalloscampsis is
(A) inability to withdraw the penis (B) loss of libido
(C) inability to copulate (D) deviation of penis

66. Which of the following is NOT suitable for synchronizing oestrus in pigs?
(A) Oestrogen + PGF₂α (B) Progestogen in feed
(C) hCG + PGF₂α (D) PGF₂α alone

67. In cattle, high intake of rumen degradable protein may lead to embryonic mortality due to
(A) Increased incidence of uterine infection
 (B) Alteration in pH of uterine environment
(C) Obesity
(D) Lipid accumulation

68. The quality of semen is good if methylene blue is reduced by
(A) 0-3 minutes (B) 3-6 minutes
(C) 6-9 minutes (D) More than 9 minutes

69. Prostatic secretions have high content of
(A) Copper (B) Zinc
(C) Cobalt (D) Iron

70. Contagious equine metritis is caused by
(A) *Coxiella burnetii*
(B) *Francisella tularensis*
(C) *Bordetella bronchiseptica*
 (D) *Taylorella equigenitalis*

71. The causative agent of crop mycosis (thrush) in young chickens and turkeys

(A) *Cryptococcus neoformans*
(B) *Microsporum nanum*
 (C) *Candida albicans*
(D) *Microsporum gypreum*

72. Sterile insect technique is commonly employed in the control of

(A) Ticks (B) Mites
 (C) Blow flies (D) Mosquitoes

73. 'TICKGARD' is a midgut vaccine against

(A) *Rhipicephalus sanguineus*
 (B) *Rhipicephalus microplus*
(C) *Haemaphysalis bispinosa*
(D) *Hyalomma marginatum*

74. Cobalt deficiency in farm animals results in _____ vitamin deficiency.

(A) Vitamin-A (B) Vitamin-K
(C) Vitamin-E (D) Vitamin-B₁₂

75. Which virus has single stranded DNA as its genome?

(A) Adeno viridae (B) Circo viridae
(C) Irido viridae (D) Pox viridae

76. "Wryneck" in sheep is caused by

(A) Sheep pox (B) *Clostridium perfringens*
 (C) Blue tongue (D) PPR

77. Vaccines containing killed bacteria are called
(A) Bacteria (B) Toxoida
(C) Adjuvant (D) Cytokines

78. The complement component which bind irreversibly to bacteria and initiate bacterial killing or phagocytosis is
(A) C₉ (B) C₆
 (C) C₃ (D) C₅

79. 'Mc Fadyean's reaction' is associated with
(A) Brucella abortus
(B) Mycobacterium bovis
 (C) Bacillus anthracis
(D) Clostridium tetani

80. Coggins agar gel immunodiffusion test is used for diagnosis of
 (A) Equine infectious anaemia
(B) Equine influenza
(C) Equine viral pneumonitis
(D) Strangles

81. Tropical theileriosis is due to
 (A) Theileria annulata (B) Theileria parva
(C) Theileria mutans (D) Theileria hirci

82. The following ingredients are commonly used in ethno veterinary medicine for treating helminthiosis except
(A) Piper nigrum (B) Leucas aspera
(C) Azadirachta Indica (D) Acalypha indica

83. 'Spectacle eye' develops due to deficiency of

- (A) Biotin
- (B) Ascorbic acid
- (C) Folic acid
- (D) Niacin

84. Which disease causes hypokalemia in ruminants?

- (A) Disease of Aorta
- (B) Diseases of Abomasum
- (C) Disease of Liver
- (D) Disease of Pancreas

85. A 3 year old male dog had a history of acute abdominal pass and vomiting. It had 6% dehydration. X ray revealed enlarged kidneys. CBC and Biochemistry were normal. Urinalysis results are SG : 1.035, Protein : ++, Blood : +ve; Sediment: >10 WBCs/HPF. What is your tentative diagnosis?

- (A) Chronic renal failure
- (B) Acute pyelonephritis
- (C) Acute Pancreatitis
- (D) Transitional cell carcinoma

86. What are the characteristic features of complete Heart Block?

- (A) Usually slow heart rate which is constant and does not vary
- (B) Usually Extremely High Heart rate, which varies
- (C) Complete Blockage of Blood supply
- (D) Complete Blockage of oxygen supply

87. Phonocardiography is used for

- (A) Characterization and timing of murmurs
- (B) Recording ECG in horses
- (C) Recording systolic pressure in cattle
- (D) To measure vascular elasticity

88. Which of the following causes post parturient hemoglobinuria in cattle?

(A) Phosphorous deficiency (B) Ca deficiency
(C) K deficiency (D) Mg deficiency

89. What is the recommended dietary cation-anion difference (DCAD) Per kg DM of feed for prevention milk fever, in cattle?

(A) -50–60 1 Msg/Kg feed DM (B) -65–70 1 Msg/Kg feed DM
(C) -100–200 Msg/Kg feed DM (D) -75–85 Msg/Kg feed DM

90. The antibacterial activity of amoxicillin may include pencillinase-producing organisms if it is combined with

(A) Phenethicillin (B) Enrofloxacin
(C) Ampicillin (D) Clavulanic acid

91. What is mechanism of action of tetracycline?

(A) Binding to 30s ribosome of bacteria (B) Binding to phospholipids of bacteria
(C) Binding to 50s ribosome of bacteria (D) Inhibition of DNA gyrase of bacteria

92. Brain tumours are more often seen in

(A) German Shepherd breed (B) Great dane breed
(C) Bull dog breed (D) Spitz breed

93. Liquefactive necrosis is common in brain because of the following except

(A) Rich lipid content (B) Rich lytic enzymes
(C) Rich blood supply (D) Lack of fibrous interstitium

94. Pleocytosis indicates

- (A) Ingestion foreign materials by cells
- (B) Variation in the size of cells
- (C) Increase in Leukocytes in blood
- (D) Increase in the number of nucleated cells in CSF

95. Which one of the following post-mortem change is not seen in electrocution?

- (A) Fracture of long bones
- (B) Bloody discharge from natural orifice
- (C) Haemorrhage in skeletal muscle
- (D) Pulmonary oedema

96. In Infectious bursal disease affected chicken, the harderian gland shows

- (A) Increased number of lymphocytes
- (B) Increased number of plasma cells
- (C) Decreased number of plasma cells
- (D) Increased number of neutrophils

97. Example for intercellular parasite is

- (A) Plasmodium
- (B) Trypanosoma
- (C) Babesia
- (D) Theileria

98. Oocysts of cryptosporidium parvum can be demonstrated by using

- (A) Modified Ziehl Neelsen's stain
- (B) Lugols iodine
- (C) Giemsa stain
- (D) Leishman's stain

99. Milk production in India at the end of the Eleventh Plan (2011-12) period was
(A) 102.6 million tonnes (B) 127.9 million tonnes
(C) 155.5 million tonnes (D) 165.4 million tonnes

100. Meat production in India in 2016-17 was
(A) 5.5 million tonnes (B) 7.4 million tonnes
(C) 6.5 million tonnes (D) 2.3 million tonnes

101. The commonest method of mischievous killing of an animal is
(A) Cutting tendons (B) Fracturing the bone
 (C) Poisoning (D) Bestiality

102. Bestiality is punishable under Section _____ of IPC.
(A) 347 (B) 367
 (C) 377 (D) 357

103. A qualified veterinarian can _____ the horse if it is affected with dourine.
(A) Destroy (B) Treat
 (C) Castrate (D) Quarantine

104. The reason for seizure of a horse according to glanders and Farcy Act, 1899 is
(A) No licence (B) Poor maintenance
(C) Poor fittings (D) Diseased

105. Under the Dourine Act, 1910, appointment of a person shall be deemed to be a Public Servant within the meaning of IPC
 (A) 45 of 1860 (B) 55 of 1860
(C) 45 of 1870 (D) 55 of 1870

106. Sanitary Import Permit (SIP) is issued for high risk products like

(A) Meat & Meat Products (B) Canine vaccines
(C) Wild birds (D) Accessories for pets

107. Central Referral Laboratory (CRL) the apex laboratory of Tamil Nadu state for diagnosis of livestock diseases is located at

(A) Directorate of Animal Health Studies (TANURES) Madhavaram
 (B) Institute of Vet. Preventive Medicine (IVPM), Ranipet
(C) Animal Disease Intelligence Unit, Namakkal
(D) Animal Disease Diagnostic Unit, Madurai

108. Which of the following plant toxicities causes dryness of the mouth?

(A) Ricinus Communis (B) Datura Stramonium
(C) Oak (D) Eupatorium

109. Which of the following techniques is reliable for estimating fatty infiltration of liver?

(A) Liver biopsy (B) Ultrasound
(C) Laproscopy (D) Radiography

110. Elevation and rigidity of tail, ears and limbs are good indications of _____ in animals.

(A) Tetanus (B) Electrocution
(C) Botulism (D) Cyanide poisoning

111. Which one of the following is untrue, with respect to maintenance of Veterinary facilities at Zoos?

(A) All Zoos shall have quarantine units
(B) All Zoos shall have handling units
 (C) All Zoos shall not have postmortem rooms
(D) All Zoos shall have referral lab

112. Non-ruminant roughage grazer is

- (A) Guar
- (C) Giraffe

- (B) Zebra
- (D) Deer

113. Sunflower meal is an unconventional vegetable protein supplement which is rich in _____ amino acid.

- (A) Lysine
- (C) Tryptophan

- (B) Arginine
- (D) Methionine

114. The ammonical nitrogen content of very good silage is

- (A) More than 10%
- (C) Less than 20%

- (B) Less than 10%
- (D) More than 20%

115. Black tongue in dog is caused by deficiency of

- (A) Niacin
- (C) Vitamin C

- (B) Thiamine
- (D) Riboflavin

116. Which vitamin needs Intrinsic factor for its absorption?

- (A) Vit. B12
- (C) Vit. B2

- (B) Vit. B6
- (D) Vit. B1

117. Record maintenance in an organised dairy farm will not be helpful

- (A) To know the production performance of animals
- (B) To monitor the feeding practices
- (C) To know the breeding performance
- (D) To protect the animals from natural calamities

118. Storing the gametes of wide variety of species by cryopreservation at one place is called

- (A) Gene Bank
- (B) Genome Bank
- (C) Genome Resource Bank
- (D) Genome Reserve Bank

119. Which breed of native bullocks was utilized by Tippu Sultan to carry cannons in the war against East India Company?

- (A) Kangayam
- (B) Hallikar
- (C) Alambadi
- (D) Amritmahal

120. Size of a standard population equally divided between males and females which would have the same rate of inbreeding drift as the one in question is called

- (A) Efficient Population Size
- (B) Endangered Population Size
- (C) Energetic Population Size
- (D) Effective Population Size

121. Rendered pig fat is called as

- (A) Leaf fat
- (B) Rind
- (C) Tallow
- (D) Lard

122. Blood splashing in muscle occurs due to delay between

- (A) Stunning and Shackling
- (B) Stunning and Sticking
- (C) Sticking and Skinning
- (D) Flaying and evisceration

123. Slaughter of dead animal is called

(A) humane slaughter
(C) ritual slaughter

(B) cold slaughter
(D) casualty slaughter

124. Muslim method of slaughter is called

(A) Schechitta
(C) Jatka

(B) Halal
(D) Jewish

125. The penetrative type of cash captive bolt pistol produces unconsciousness by

(A) Physical brain destruction
(B) Chemical brain destruction
(C) Biological brain destruction
(D) Spinal cord destruction

126. Rennet is manufactured from _____ of the calf

(A) Omasum
(C) Rumen

(B) Abomasum
(D) Reticulum

127. The duration for continuous method of Pasteurization of milk is

(A) 15 sec
(C) 63 sec

(B) 30 sec
(D) 72 sec

128. In retail markets, the storage temperature of butter should be

(A) not exceeding 8°C
 (C) not exceeding 4°C

(B) not exceeding -1°C
(D) below 0°C

129. Homogenization of milk

(A) increases the fat globules size
(B) increases the protein particle size
 (C) decreases the fat globules size
(D) decreases the protein particle size

130. The term 'extension education' was first used in 1873 by

- (A) Anna University
- (B) Cambridge University
- (C) Veterinary University
- (D) Madras University

131. Flash card should be large enough atleast by _____ for every one to see.

- (A) 21 by 27 inches
- (B) 22 by 28 inches
- (C) 23 by 29 inches
- (D) 24 by 30 inches

132. A division to make full use of an innovation as the best course of action available.

- (A) Adoption
- (B) Diffusion
- (C) Innovation
- (D) Communication

133. Seven or eight persons are given a common task to perform and they may or may not select their leader. This process is known as

- (A) Interview
- (B) Performance test
- (C) Leaderless group test
- (D) Focal group discussion

134. One of the behavioural components of human being is

- (A) knowledge
- (B) solution
- (C) interview
- (D) evaluation

135. The total poultry population in Tamil Nadu as per the latest census is _____ millions.

(A) 117.3 (B) 97.3
(C) 127.3 (D) 100.01

136. _____ is a perishable livestock products.

(C) Cow (B) Feeder
 (D) Meat (D) Leather

137. The primary book of entry in which all transactions are recorded

(A) Journal (B) Magazine
(C) Ledger (D) Cash book

138. An ICT initiative aimed at development of farm sector

(A) Kisan call centre (B) Information Kiosk
(C) Internet Kiosk (D) Telemarketing

139. LCD stands for

(A) Light Crystal Deposit
(B) Light Crystal Display
 (C) Liquid Crystal Display
(D) Liquid Crystal Door

140. The pancreas protects itself against self-digestion by making a specific inhibitor protein called

(A) Carboxypeptidase B (B) Carboxy peptidase A
(C) Aminopeptidase (D) **Pancreatic Trypsin Inhibitor**

141. Which of the following removes fine dust particles and other debris from the alveolar spaces?

(A) Macrophages (B) Neutrophils
(C) Lymphocytes (D) Eosinophils

142. The QRS complex in ECG would immediately precede which of the following event?

(A) Ventricular contraction (B) Ventricular relaxation
(C) Atrial contraction (D) Atrial relaxation

143. In dogs the most commonly occurring coagulation defect hemophilia A is due to the deficiency of

(A) Factor VIII (B) Factor XI
(C) Factor X (D) Factor IX

144. Injecting bromocriptine decreases which of the following hormone secretion?

(A) Growth hormone (B) Thyroxine
(C) Paratharmone **(D) Prolactin**

145. Which of the following segment of nephron is involved in counter current multiplication process?

(A) Proximal convoluted tubule (B) Distal Convolute tubule
(C) Collecting duct **(D) Loop of Herb**

146. Which one of the following cells become more prevalent in circulating blood after a prolonged period of erythropoiesis secretion?

(A) Reticulocyte (B) Monocyte
(C) Thrombocyte (D) Lymphocyte

147. The vestigial first premolar of the horse is popularly termed
(A) Pinchers (B) Hippers
 (C) Wolf-teeth (D) Canine teeth

148. A short tube of complex valvular apparatus and is the chief organ of voice
(A) Trachea (B) Bronchi
 (C) Larynx (D) Pharynx

149. In the neck of the Omasum the laminae change to thick folds, and there are a number of the peculiar papillae
(A) Filiform papillae (B) Fungiform papillae
 (C) Unguiform papillae (D) Conical papillae

150. In the cervix of the ewe the external OS is located in the cranial ventral portion of the vagina and is partially covered by a _____ of mucosa.
 (A) Bood (B) Hood
(C) Fornix (D) Portio Vaginalis

151. Which expands generally at the time of erection and prevents withdrawal during ejaculation in dogs?
(A) Pars longa grandis (B) Bulbus grandis
(C) OS Penis (D) Glans penis

152. Which species has almond shaped ovaries?
(A) Cow (B) Sow
 (C) Ewe (D) Mare

153. Which one of the following suture material belongs to organic non absorbable?

(A) Polyester (B) Silk
(C) Nylon (Polyamide) (D) Poly propylene

154. What suture material is used to repair hernias or reinforce traumatized or devitalized tissue?

(A) Staples (B) Autologous fibrin glue
 (C) Surgical mesh (D) Tissue adhesives

155. Which of the following suture pattern comes under eversion suture pattern?

(i) Horizontal mattress
(ii) Lembert pattern
(iii) Cushing pattern
(iv) Vertical mattress

(A) (i) only (B) (ii) and (iii)
(C) (i) and (iii) (D) (i) and (iv)

156. What is surgical knot recommended for suture material that are likely to slip?

(A) Square Knot (B) Granny Knot
 (C) Nylon Knot (D) Half hitch Knot

157. What procedure is done to arrive at a diagnosis or for conformation of a disease?

(A) Reconstructive surgery
(B) Experimental surgery
(C) Clinical surgery
 (D) Exploratory surgery

158. What is a tubular inflammatory tract opening at both ends connecting two surfaces covered by epithelium?

(A) Bier's hyperaemia (B) Fistula
(C) Sinus (D) Carbuncle

159. In which stage of wound healing, centripetal movement of the whole thickness of the surrounding skin appears?

(A) inflammatory (B) wound contraction
(C) wound maturation (D) epithelialization

160. The hormone that prepares the uterus for acceptance of a fertilized ovum or embryo

(A) estrogen (B) progesterone
(C) oxytocin (D) prolactin

161. During praestrus stage _____ is selected by the anterior pituitary gland to stimulate the development of the Graafian follicle.

(A) LH (B) ESH
(C) PMSG (D) Estrogen

162. The duration of estrus in ewe

(A) 7-9 days (B) 1-2 days
(C) 3-5 days (D) 5-7 days

163. Bull spermatozoa with strongly coiled, folded or split tails with abnormal arrangement of fibers in the axial filaments is seen in

(A) corkscrew sperm defect (B) pseudo-droplet defect
(C) knobbed spermatozoa (D) dag-defect

164. Potato soup like thin, yellow grey, watery flocculent vaginal discharge is characteristic of _____ infection.

(A) Mycoplasmosis (B) Trichomoniasis
(C) Brucellosis (D) Vibriosis

165. The duration of the second stage of parturition in mare is about

(A) 17 hours (B) 70 minutes
 (C) 17 minutes (D) 17 seconds

166. Members of glycoproteins secreted by trophoblastic ectoderm and can be used to confirm pregnancy in cattle

(A) Pregnancy associated glycoproteins
(B) Progesterone
(C) Relaxin
(D) Gonadotrophins

167. The best general anaesthetic drug of choice for performing caesarean operation in a bitch is

(A) Thiopental (B) Ketamine
 (C) Propofol (D) Nitrous oxide

168. The hormone responsible for the initial budding and growth of the duct system of the mammary gland is

(A) Testosterone (B) Progesterone
 (C) Estrogen (D) Prolactin

169. The male animals should be used for breeding purpose _____ after attaining puberty.

(A) 3-6 months (B) 6-12 months
(C) 12-18 months (D) 18-24 months

170. The causative agent of "Lumpy jaw" in cattle is

- (A) Aracanobacterium pyogenes
- (B) Actinomycet bovir
- (C) Actinobacillus lignieresii
- (D) Streptococcus mutans

171. Infection or disease scattered in occurrence usually individual cases

- (A) Pandemic (B) Sporadic
- (C) Endemic (D) Epidemic

172. The organism which produces "Medusa head" type or judge's wig type colonies

- (A) Streptococcus spp
- (B) Pasteurella multocida
- (C) Bacillus anthracis
- (D) Clostridium chauvoei

173. The preferred serological procedure for diagnosis of Leptospira

- (A) ELISA (B) Microscopic Agglutination Test (MAT)
- (C) Complement Fixation Test (CFT) (D) Dot-ELISA

174. Which organism appears as a single celled cigar-shaped body (yeast form) in tissues?

- (A) M. gypreum (B) C. neoformans
- (C) S. schenckii (D) C. albicans

185. Holter Recording/Monitoring is used to diagnose

- (A) Systemic hypertension
- (B) Syncope
- (C) Systemic vascular resistance
- (D) Systemic inflammatory Response Syndrome

186. Match the colour of vomitus with the anatomic source and give your correct matched answer code.

(a) Blood (fresh)	1. Gastric
(b) White mucoid	2. Biliary reflux
(c) Fetid, green, brown	3. Duodenal
(d) Yellow/green	4. Esophageal

(a) (b) (c) (d)

- (A) 4 1 3 2
- (B) 1 2 4 3
- (C) 2 3 1 4
- (D) 3 4 2 1

187. Emergency Treatment for Acetaminophen Intoxication in cats is

- (A) Methyl prednisolone
- (B) Ranitidine
- (C) N-Acetyl cysteine
- (D) Paracetamol

188. A five year old female dog is presented with a per of 10% and is of 8.08/dl. It was depressed with tachypnea (RR-40 bpm), tachycardia (HR-180 bpm) with weak peripheral pulse and hypothermia (37-2°C). CRT is prolonged (7 sec) and mucosa is icteric. What is your diaprosis.

- (A) Aate hemorrhage of Accident with in 30 minutes
- (B) Immune mediated hemolytic anemia
- (C) Polycythemia vera relased crisis
- (D) Hodgkins-B lymphoma related crisis

189. Which one of the following chemical can cause conditional Iron deficiency?

- (A) Calcium carbonate
- (B) Magnesium carbonate
- (C) Potassium carbonate
- (D) Aluminium carbonate

190. Which of the following deficiency causes 40's falling license in cattle?

- (A) Cobalt
- (B) Copper
- (C) Vit. A
- (D) Vit. D

191. Nodule formation in the intestine of sheep and goat is caused by

- (A) *Moniezia expansa*
- (B) *Avitellina lahorensis*
- (C) *Stilesia hepatica*
- (D) *Stilesia globipunctata*

192. 'Crisis phenomenon' in dogs is observed due to infection with

- (A) *Toxocara canis*
- (B) *Trichuris vulpis*
- (C) *Ancylostoma caninum*
- (D) *Spirocercus lupi*

193. 'Morocco leather' appearance of abomasal mucosa is seen in sheep infected with

- (A) *Ostertagia ostertagi*
- (B) *Haemonchus contortus*
- (C) *Trichostrongylus colubriformis*
- (D) *Trichuris ovis*

194. Lizard poisoning in cat is caused by

- (A) *Platynosomum fastosum*
- (B) *Gnathosoma spinigerum*
- (C) *Physaloptera spp.*
- (D) *Toxocara cati*

195. The nematode which transmits the rickettsial agent causing salmon poisoning is

- (A) *Opisthorchis viverrini*
- (B) *Dicrocoelium dentriticum (D. dentriticum)*
- (C) *Nanophyetus salmincola*
- (D) *Clonorchis sinensis*

196. Fibrinous Peritonitis is commonly seen in

- (A) Feline leukaemia virus infection
- (B) Feline infectious peritonitis
- (C) Feline immunodeficiency virus infection
- (D) Feline distemper

197. Atrophic rhinitis is commonly seen in

- (A) Horses
- (B) Rabbits
- (C) Pigs
- (D) Dogs

198. Telangiectasis means

- (A) Dilatation of lymphressel
- (B) Dilatation of artery
- (C) Dilatation of bronchus
- (D) Dilatation of Sinusoids

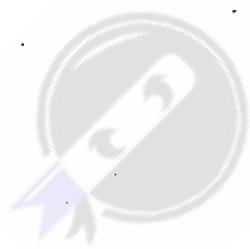
199. Peripheral displacement of Nissl substance in neurons is called

- (A) Satellitosis
- (B) Astrocytosis
- (C) Chromatolysis
- (D) Wallerian degeneration

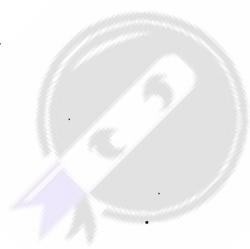
200. Cellulitis means inflammation of

- (A) Epidermal cells of skin
- (B) Dermis alone
- (C) Dermis and subcutis
- (D) Intracellular infiltration

SPACE FOR ROUGH WORK



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SEAL



RAVS/19

40

