1. National Animal Disease Control Programme was launched on 11 September, 2019 to control
   (A) Foot and Mouth Disease and Haemorrhagic Septicemia
   (B) Foot and Mouth Disease, Haemorrhagic Septicemia and Black Quarter
   (C) Foot and Mouth Disease and Brucellosis
   (D) Haemorrhagic Septicemia, Black Quarter and Brucellosis

2. An animal having both testicular and ovarian tissue, either in the form of a combined gonad (ovotestis) or as separate organs
   (A) Pseudohermaphrodite (B) Hermaphrodite
   (C) Freemartin (D) Female twin

3. *Leishmania donovani* occurs in the
   (A) Endothelial cells (B) Macrophages
   (C) Red blood cells (D) None of the above

4. Higher efficacy of drug necessarily confers
   (A) Greater safety
   (B) Therapeutic superiority
   (C) Capacity to produce more intense response
   (D) Cost saving

5. "Shoe leather epidemiology" refers to
   (A) Diagnostic epidemiology (B) Experimental epidemiology
   (C) Field epidemiology (D) All the above

6. Spondylitis is the inflammation of
   (A) Cartilage (B) Vertebrae
   (C) Bone (D) Spermatic cord

7. Most potent synthetic opioid used for wild animal anesthesia is
   (A) Etorphine (B) Carfentanil
   (C) Thiafentanil (D) Fentanyl

8. Lumpy skin disease virus is antigenically related to

(A) Sheep pox virus (B) Goat pox virus

(C) Cow pox virus (D) Both sheep pox and goat pox virus

9. The warehouse of spermatozoa in male reproductive tract is

(A) Testes (B) Caput epididymis

(C) Cauda epididymis (D) Penis

10. Most commonly used method of identification for newborn calves and pigs

(A) Tagging (B) Branding

(C) Tattooing (D) Ear notching

11. Prolific Avishaan sheep breed has been developed by crossing of

(A) Garole, Malpura and Patanwadi (B) Magra, Garole and Patanwadi

(C) Nellore, Garole and Patanwadi (D) Ganjam, Malpura and Patanwadi

12. X-rays have greatest harmful effects upon

(A) Liver (B) Skin

(C) Testis (D) Bone

13. Deposition of stone dust in lungs is called as

(A) Siderosis (B) Byssinosis

(C) Chalicosis (D) Anthracosis

14. Falling disease in cattle is due to

(A) Vitamin A deficiency (B) Zinc deficiency

(C) Copper deficiency (D) Selenium deficiency

15. Which of the following is a non-catecholamine sympathomimetic?

(A) Adrenaline (B) Ephedrine

(C) Dopamine (D) Isoprenaline

16. Acromegaly is caused by the excess of

(A) Thyroxin (B) Insulin

(C) Growth hormone (D) Cortisol

17. Longer recovery from barbiturate anesthesia is observed in which of the following breeds of dogs?
(A) Boxer (B) Grey hound
(C) German Shepherd (D) Pug

18. Instrument used to measure the lung capacity is
(A) Spirometer (B) Electrocardiograph
(C) Kymograph (D) Spygmomanometer

19. Medial deviation of knee joint is also called as
(A) Buckled Knee (B) Bow knee
(C) Knock knee (D) Calf knee

20. Paraparesis is the functional abnormality of
(A) Both the thoracic limbs
(B) Both the pelvic limbs
(C) Thoracic and pelvic limb on the same side
(D) All the four limbs

21. The following cells predominate in milk from healthy quarter in bovines
(A) Epithelial cells (B) Lymphocytes
(C) Macrophages (D) Neutrophils

22. Punched necrotic ulcers in abomasums of cattle are pathognomonic of
(A) Babesiosis (B) Theileriosis
(C) Trypanosomiasis (D) Coccidiosis

23. Which nerve is blocked in enucleation?
(A) Cornual nerve (B) Trigeminal nerve
(C) Infraorbital nerve (D) Retro-bulbar nerve

24. The 'Honey comb' like network of luminal surface is found in
(A) Rumen (B) Reticulum
(C) Omasum (D) Abomasum

25. Which of the following anesthetic gas shows 'Diffusion Hypoxia'?
    (A) Nitrous oxide (B) Xenon
    (C) Isoflurane (D) Sevoflurane

26. Inhibin in males is secreted from
    (A) Seminiferous cells (B) Myoid cells
    (C) Leydig cells (D) Sertoli cells

27. Mononuclear phagocytic system cells of liver are
    (A) Thrombocytes (B) Stellate cells
    (C) Kupffer cells (D) Monocytes

28. Normally the glomerulus filteration pressure is
    (A) 15 mm Hg (B) 25 mm Hg
    (C) 65 mm Hg (D) 100 mm Hg

29. An idea perceived as new is
    (A) Research (B) Discovery
    (C) Innovation (D) Adoption

30. Ropiness in milk is caused by
    (A) Pseudomonas (B) Cladosporium
    (C) Alkaligenes (D) Sporotrichum

31. World environment day is celebrated on
    (A) May 5 (B) June 5
    (C) May 6 (D) June 6

32. Colic surgery is recommended when there is
    (A) Persistent abdominal pain
    (B) Lack of response to medical management
    (C) Obstructive mass palpable on per rectal examination
    (D) All of the above

33. Killed vaccines possess the following attributes, except

(A) Booster doses required (B) Shorter immunity conferred

(C) Safe (D) Reversion to virulence

34. The therapeutic index of a drug is a measure of its

(A) Safety (B) Potency

(C) Efficacy (D) Dose variability

35. Second gas effect is exerted by the following gas when co-administered with halothane

(A) Nitrous oxide (B) Cyclopropane

(C) Nitrogen (D) Helium

36. Acrosome of sperm develops from

(A) Lysosomes (B) Endoplasmic reticulum

(C) Golgi complex (D) Nucleus

37. Bilirubin is derived from

(A) Heme (B) Hemoglobin

(C) Globin (D) Bile salts

38. 'TORCH' test is associated with

(A) Tuberculosis (B) Toxoplasmosis

(C) Typhoid (D) Listeriosis

39. Turkey egg appearance of kidney and button ulcer on the colon mucosa is characteristic of which disease?

(A) Foot and mouth disease (B) Swine fever

(C) Canine distemper (D) Haemorrhagic septicemia

40. Kanagawa test is used in identification of

(A) Brucellosis (B) Typhoid

(C) Vibriosis (D) Listeriosis

41. The number of carpals present in dog are
    (A) 5 (B) 6
    (C) 7 (D) 8

42. Carbohydrate content of animal body is
    (A) 10% (B) Between 3% and 5%
    (C) Less than 1% (D) 15%

43. Which of the following is the correct full-form of REPFEDs?
    (A) Radio-frequency enhanced Packaged foods with extended durability
    (B) Refrigerated, packaged foods with extended duration
    (C) Refrigerated, processed foods with extended durability
    (D) Radiofrequency enhanced processed foods with extended duration

44. Animal species that is less sensitive to toxicity by snake venom
    (A) Horse (B) Sheep
    (C) Cat (D) Dog

45. For effective extension teaching, one must use
    (A) Printed literature (B) Combination of aids
    (C) Visual aids only (D) Audio aids only

46. Pododermatitis due to ringworm is common in
    (A) Dog (B) Swine
    (C) Equine (D) All of the above

47. Montelukast blocks the action of the following autacoid
    (A) Prostacyclin (B) Platelet activating factor
    (C) Leukotriene B_4 (D) Leukotriene C_4/D_4

48. Mad itch is seen in
    (A) Pseudo-tuberculosis (B) Pseudo-rabies
    (C) Pseudo-lumpy skin disease (D) Pseudo-FMD

49. Encephalomalacia in poultry birds is caused by the deficiency of

(A) Vitamin D (B) Vitamin B1

(C) Vitamin A (D) Vitamin E

50. The most common form of anthrax in man

(A) Intestinal (B) Cutaneous

(C) Respiratory (D) Nervous

51. Operculated eggs are associated with

(A) Liver flukes (B) Ascarid worms

(C) Lung worms (D) All of the above

52. Bang's disease is

(A) Leptospirosis (B) Brucellosis

(C) Listeriosis (D) Hydatidosis

53. Which of the following drug reduces quantity and increases viscosity of saliva?

(A) Atropine sulphate (B) Doxapram

(C) Yohimbine (D) Ketamine

54. Auto-excitatory cells of heart are found in

(A) Purkinje Fibers (B) Bundle of Kent

(C) Bundle of Kleith (D) Bundle of Thorel

55. Notorium is a feature of the skeleton of

(A) Ox (B) Horse

(C) Pig (D) Fowl

56. The amino acid ————— is also a dietary essential for poultry for the biosynthesis of uric acid, the end product of nitrogen metabolism in birds

(A) Phenylalanine (B) Methionine

(C) Lysine (D) Glycine

57. Best treatment of luteal cyst in cow is
    (A) GnRH (B) PGF2α
    (C) Progestogens (D) FSH

58. False gid is caused by
    (A) *Gasterophilus* larvae (B) *Hypoderma* larvae
    (C) *Oestrus ovis* larvae (D) None of the above

59. Wool is obtained from
    (A) Goat & Sheep (B) Goat & Rabbit
    (C) Rabbit & Sheep (D) Sheep, Goat & Rabbit

60. Father of Veterinary Public Health
    (A) Schwabe (B) Louis Pasteur
    (C) John Snow (D) J.H. Steele

61. Which surgical procedure is designed to enlarge the vulvar opening?
    (A) Episiotomy (B) Vaginotomy
    (C) Celiotomy (D) Hysterotomy

62. The short arm of the chromosome is labeled as
    (A) p arm (B) q arm
    (C) r arm (D) None of these

63. Walled eye is characteristic of which buffalo breed?
    (A) Murrah (B) Jaffarabadi
    (C) Nili-Ravi (D) Pandharpuri

64. OIE headquarters are located at
    (A) Rome (B) Paris
    (C) Geneva (D) None

65. The amino acid commonly used as an ingredient in the buffers of SDS PAGE
    (A) Aspartic acid (B) Glutamic acid
    (C) Glycine (D) Aspartic acid and lysine together

66. Nucleated RBCs are present
(A) Dog (B) Horse
(C) Bird (D) Ox

67. Fatty liver and kidney syndrome (FLKS) is caused by _____ deficiency.
(A) Magnesium (B) Calcium
(C) Folic acid (D) Biotin

68. Which of the following is the process of removal of bacteria from the milk?
(A) Centrifugation (B) Bactofugation
(C) Filtration (D) Clarification

69. Pan-mixia is also known as
(A) Out breeding (B) Inbreeding
(C) Random mating (D) Assortative mating

70. Glucostatic center, hunger and osmotic centers are located at
(A) Hypothalamus (B) Cerebrum
(C) Medulla (D) Cerebellum

71. Sudden unpredictable increase in the number of cases of a diseases in a population is called
(A) Endemic (B) Epidemic
(C) Sporadic (D) Pandemic

72. Blue color of meat is caused by
(A) *Pseudomonas cyanogens* (B) *Cladosporium herbarium*
(C) *Pseudomonas fluorescenes* (D) *Proteus melanovogens*

73. Milk yield and fat percentage is an example of
(A) Positive correlation (B) Negative correlation
(C) No correlation (D) None

74. Codeine is used clinically as
(A) Analgesic (B) Antitussive
(C) Antidiarrhoeal (D) All of the above

75. Guarneiri bodies are intra-cytoplasmic inclusion bodies and are diagnostic of which disease?
    (A) Pox
    (B) Swine fever
    (C) Adenoviruses
    (D) Pseudorabies

76. Parasite responsible for "ungroomed rat tail appearance" in horse
    (A) *Oxyuris equi*
    (B) *Parascaris equorum*
    (C) *Habronema muscae*
    (D) *Dictyocaulus arnfieldi*

77. The following species of *Brucella* is non-zoonotic in nature
    (A) *Brucella abortus*
    (B) *Brucella ovis*
    (C) *Brucella melitensis*
    (D) *Brucella suis*

78. The predominant immunoglobulin in the colostrum of ruminant is
    (A) IgG1
    (B) IgG2
    (C) IgM
    (D) IgA

79. Nonsense mutations code for
    (A) Same or similar amino acid
    (B) Different amino acid
    (C) Truncation of protein
    (D) No harmful or beneficial effect

80. Coffee colored urine in cattle is characteristic of
    (A) Trypanosomiasis
    (B) Theileriosis
    (C) Sarcocystosis
    (D) Babesiosis

81. Measly pork is caused by cystic stage of
    (A) *Taenia solium*
    (B) *Taenia saginata*
    (C) *Taenia hydatigenea*
    (D) *Taenia tenuicollis*

82. The full form of PRA is

(A) Peoples Rural Agency
(B) Persons Rural Agency
(C) Participatory Rural Appraisal
(D) Participatory Rural Agency

83. Asthenozoospermia stands for

(A) Increased number of abnormal spermatozoa
(B) Increase in motility of spermatozoa
(C) Decreased concentration of spermatozoa
(D) Decreased motility of spermatozoa

84. Which goat breed has compact body, brown and white color in typical patches, twisted tail and coarse pointed hair?

(A) Beetal
(B) Barbari
(C) Sirohi
(D) Surti

85. The antidote of choice for morphine poisoining

(A) Nalorphine
(B) Nalbuphine
(C) Naltrexone
(D) Naloxone

86. Turkish towel appearance of crop mucosa occurs in

(A) Candidiasis
(B) Favus
(C) Aflatoxicosis
(D) Lymphoid leucosis

87. Knott's test is used for the diagnosis of

(A) Strongylids
(B) Spirurids
(C) Ascarids
(D) Filarids

88. The most effective antiseptic and disinfectant on a dairy farm is

(A) Ethyl alcohol (70%)
(B) Quaternary Ammonium Compounds (QAC)
(C) Potassium Permanganate
(D) Washing soda (4%)

89. Suture pattern used for rectal prolapse is

(A) Purse-string suture
(B) Simple interrupted
(C) Cushing suture
(D) Lambert suture

90. Range of repeatability is

(A) 0 to 1 (B) –1 to +1

(C) $-\alpha$ to $+\alpha$ (D) None of the above

91. Example/s of evolutionary force is/are

(A) Selection (B) Migration

(C) Mutation (D) All of these

92. $T\psi C$ arm of tRNA

(A) Serves as recognition site for amino acyl tRNAsynthetase

(B) Lies at the opposite end of acceptor arm

(C) Is involved in the binding of tRNA to the ribosomes

(D) Only the tRNA belonging to class 2 have $T\psi C$ arm

93. Histamine is released by

(A) Plasma cells (B) Mast cells

(C) Osteocytes (D) Fibroblasts

94. Gizzard myopathy in poultry is caused by

(A) Phosphorus (B) Selenium

(C) Vitamin C (D) Fluorine

95. Which of the following packaging materials is also referred as 'Mylar'?

(A) Polyamide (B) Polyester

(C) Cellophane (D) Polypropylene

96. Polymixins produce antibacterial action by altering the functioning of

(A) Cell wall synthesis (B) Protein synthesis

(C) Cell membrane permeability (D) DNA synthesis

97. An Otoscope is used to examine

(A) Eye (B) Ear

(C) Larynx (D) Rectum

98. Viral disease of dog seen as emerging infection in lions, tigers and leopards is
(A) Leptospirosis (B) Rabies
(C) Infectious Canine Hepatitis (D) Canine Distemper

99. Coccidiosis in animals can be diagnosed by
(A) Blood examination (B) Faecal examination
(C) Skin scraping examination (D) Urine examination

100. Mating of individuals with similar phenotype is
(A) Assortative mating (B) Disassortative mating
(C) Random mating (D) Inbreeding

101. Malignant tumor seen in animals which do not show metastasis is
(A) Squamous cell carcinoma (B) Adenocarcinoma
(C) Basal cell carcinoma (D) Osteosarcoma

102. The process of influencing people towards achieving a common goal is called
(A) Communication (B) Development
(C) Leadership (D) Sponsorship

103. OTC stands for
(A) One Time Concentration (B) Over The Concentration
(C) Oxytetracycline (D) Over The Counter

104. A fetal membrane is said to be retained in cow when it fails to be expelled within
(A) 3 hours of calving (B) 6 hours of calving
(C) 12 hours of calving (D) 24 hours of calving

105. For restraining of cattle, which type of mouth gag is most suitable?
(A) Drinkwater's gag (B) Wooden gag
(C) Linton's gag (D) Jennings mouth gag

106. Inbreeding tends to
(A) Reduce fitness (B) Increase fitness
(C) Both of them (D) None of these

107. Which of the following is a tripeptide?
(A) Anserine (B) Oxytocin
(C) Glutathione (D) Insulin

108. Hunter-Schreger lines are a feature of
(A) Tooth (B) Bone
(C) Cartilage (D) Liver

109. Nutritional roup is caused by the deficiency of
(A) Vitamin A (B) Vitamin B1
(C) Vitamin C (D) Vitamin D

110. Increase in intracellular calcium concentration brings the changes in which of the following components?
(A) Troponin-I (B) Tropomyosin
(C) Troponin-C (D) Troponin-T

111. Minimum progressive motility of fresh semen intended for further processing and freezing
(A) 50% (B) 70%
(C) 60% (D) 90%

112. A cattle crossbred developed by crossing of Sahiwal, Red Sindhi and Brown Swiss by inter-se mating for three generations
(A) Karan Fries (B) Karan Swiss
(C) Frieswal (D) Jersindh

113. *Brucella abortus* has special affinity for
(A) Gravid uterus (B) Central Nervous System
(C) Heart (D) Lungs

114. A toxoid vaccine is produced by inactivating
(A) Exotoxin (B) Endotoxin
(C) Both (A) and (B) (D) None of the above

115. Study of drug dosages or determination of drug dosages of remedies

(A) Metrology (B) Dosology

(C) Posology (D) Pharmacokinetics

116. What causes Patau syndrome?

(A) Inversion of chromosome (B) Duplication of chromosome

(C) Deletion of chromosome (D) Trisomy 13

117. The phenylalanine metabolism is blocked in the metabolic disease phenylketonuria. Which of the following product is formed during normal metabolism of phenylalanine by phenylalanine hydroxylase?

(A) Tyrosine (B) Phenylpyruvate

(C) Phenylacetate (D) Phenyl lactate

118. Glisson's capsule is a feature of

(A) Kidney (B) Spleen

(C) Liver (D) Pancreas

119. ————— feeding standard uses starch as unit of measurement.

(A) Wolffs feeding standard (B) Kellner feeding standard

(C) Morrison feeding standard (D) Sen and Ray feeding standard

120. The first Krishi Vigyan Kendra in India was established in 1974 at

(A) Pali (B) Puducherry

(C) Nagour (D) Nalanda

121. Which of the following are the characteristics of soft-curd milk?

(A) Curd tension more than 25 g

(B) Higher calcium content

(C) Lower casein content

(D) All of the above

122. Which of the following observations is true for Canine Distemper?

(A) Hyperkeratosis of foot pads (B) Saddle shaped curve

(C) Abortions (D) Apparent blindness

123. Conditions of a karyotype $2n+2$ is called
(A) Tetrasomic (B) Polyploidy
(C) Allopolyploidy (D) Monosomy

124. The most critical factor governing the absorption of a drug from intact skin is
(A) The molecular weight of the drug (B) Site of application
(C) Lipid solubility of the drug (D) Nature of the base used in the formulation

125. Which one of the following hormone is responsible for lowering blood glucose level?
(A) Melatonin (B) Insulin
(C) Growth hormone (D) Glucagon

126. Rosette of Furstenberg is a feature of
(A) Liver (B) Salivary gland
(C) Mammary gland (D) Kidney

127. The ovulation occurs in which phase of estrous cycle in cattle and buffalo?
(A) Proestrus (B) Estrus
(C) Metestrus (D) Diestrus

128. "Strauss test'' is done for the diagnosis of which of the following disease?
(A) Tuberculosis (B) Strangles
(C) Glanders (D) Actinobacillosis

129. An example for an ionophore antibiotic used as feed additive
(A) Monensin (B) Chlortetracyclin
(C) Oxytetracyclin (D) Bacitracin

130. Relaxation of sacro-sciatic ligaments in cow is a typical symptom of
(A) Approaching estrus (B) Approaching parturition
(C) Early pregnancy (D) Repeat breeding

131. The ultimate pH of typical mammalian muscle after rigor mortis is
(A) 5.4 – 5.6 (B) 6.2 – 6.4
(C) 4.5 – 5.3 (D) 6.0 – 6.2

132. Progesterone level falls down in most of the domestic animals just before parturition except in
(A) Cow (B) Mare
(C) Pig (D) Bitch

133. RNA is copied into complementary DNA by
(A) Taq DNA polymerase (B) RNA polymerase II
(C) Reverse transcriptase (D) Uracil-N-Glycosylase

134. The basic principle of extension education is
(A) Help poor people (B) Help people to help themselves
(C) Help the leaders (D) Help the needy persons

135. The age of puberty for indigenous cattle and buffaloes in India is
(A) 1 – 1.5 years (B) 2 – 2.5 years
(C) 2.5 – 3.0 years (D) 3.5 – 4.0 years

136. The impact of green revolution was mostly observed in
(A) Wheat only (B) Rice only
(C) Rice and wheat both (D) Rice, wheat and pulses

137. Which is the longest phase of estrous cycle in ruminants?
(A) Proestrus (B) Estrus
(C) Metestrus (D) Diestrus

138. Seminal vesicle is absent in
(A) Pig (B) Dog
(C) Horse (D) Ox

139. Digestible crude protein (DCP) is calculated by multiplying CP content of a feed with its
(A) Protein value (B) Nitrogen value
(C) 6.25 (D) Digestibility coefficient

140. 'Shakers foal syndrome' is caused by
    (A) *Clostridium perfringens* type A & C
    (B) *Clostridium septicum*
    (C) *Clostridium botulinum*
    (D) *Clostridioides defficile*

141. Carter-Heddleston system is used for classification of
    (A) *Streptococcus* (B) *Staphylococcus*
    (C) *Salmonella* (D) *Pasteurella*

142. Intramuscular fat is called as
    (A) Seam fat (B) Marbling
    (C) Technical fat (D) Flavoring fat

143. First step in summarizing the data is
    (A) Tabulation (B) Classification
    (C) Collection (D) Graphical representation

144. Which breed of cattle is not included in Mysore type cattle?
    (A) Amritmahal (B) Hallikar
    (C) Kangayam (D) Dangi

145. Copious urination after parturition is observed in
    (A) Buffalo (B) Mare
    (C) Cow (D) Sow

146. Peri-arterial lymphatic sheath (PALS) is a feature of
    (A) Kidney (B) Spleen
    (C) Pancreas (D) Gall bladder

147. The instrument used for measuring gross energy of a feed
    (A) Bomb calorimeter (B) Kjeldahl apparatus
    (C) Butyrometer (D) Soxhlet apparatus

148. Which of the following packaging systems is best suitable for large and uneven cuts of meat?
    (A) Vacuum packaging (B) Tray packaging
    (C) Shrink packaging (D) Wrapping

149. Reddish pomegranate seed like appearance in faeces of ruminants is indicative of
(A) Fascioliosis (B) Ascariosis
(C) Schistosomosis (D) Amphistomosis

150. The process of conversion of glycogen to glucose-6-phosphate is known as
(A) Glycolysis (B) Glyconeogenesis
(C) Glycogenesis (D) Glycogenolysis

151. One of the following organisms is known to cause 'Gangrenous mastitis' in dairy animals
(A) *Streptococcus agalactiae* (B) *Staphylococcus aureus*
(C) *Pseudomonas aerogenosa* (D) *Corynebacterium pyogenes*

152. Antiulcer drug with cytoprotective effect on gastric mucosa is
(A) Aluminium hydroxide (B) Omeprazole
(C) Ranitidine (D) Sucralfate

153. "Operation flood" is related to
(A) Contingency management during floods
(B) Increasing milk production
(C) Conserving soil
(D) Scheme for flood affected areas

154. Germ tube formation occurs in
(A) *Aspergillus fumigatus* (B) *Trichophyton verrucosum*
(C) *Candida albicans* (D) *Cryptococcus neoformans*

155. The sporulated oocyst of genus *Eimeria* contains
(A) Eight sporocysts (B) Four sporocysts
(C) Two sporocysts (D) None of the above

156. Purkinje cells are present in
(A) Cerebrum (B) Cerebellum
(C) Hypothalamus (D) Eye

157. Diphtheritic membrane is a feature in which type of inflammation?
(A) Serous (B) Fibrinous
(C) Haemorrhagic (D) Suppurative

158. Which among the following is an anti-sterility vitamin?
(A) Vitamin A (B) Vitamin C
(C) Vitamin E (D) Vitamin K

159. Animals are rested for 12-24 hours before slaughter at a place known as
(A) Chilling room (B) Lairage
(C) Stunning hall (D) Sticking hall

160. Period from fertile service to calving is called as
(A) Dry period (B) Service period
(C) Abortion (D) Gestation period

161. 'Cud-dropping' in buffaloes is a characteristic feature of
(A) Pharyngitis (B) Pharyngeal obstruction
(C) Pharyngeal paralysis (D) Oesophageal obstruction

162. The full form of ATMA in reference to agricultural extension is
(A) Agricultural Technology Mode Agency
(B) Agricultural Technology Management Agency
(C) Agricultural Technology Mission Agency
(D) Agricultural Technology Mitigating Agency

163. Expulsion of a conceptus before full term incapable of independent life
(A) Premature birth (B) Abortion
(C) Still birth (D) Parturition

164. Corneal opacity in dogs occurs in
(A) Trypanosomiasis (B) Coccidiosis
(C) Theileriosis (D) Sarcocystosis

165. Protein portion of a conjugated enzyme is called
(A) Apoenzyme (B) Coenzyme
(C) Holoenzyme (D) Cofactor

166. Highly tortuous uterine horns present in
(A) Sow (B) Cow
(C) Mare (D) Hen

167. Loss of superficial epithelium is

(A) Erosion (B) Hyperkeratosis

(C) Urticaria (D) Macula

168. The main acid produced during silage making is

(A) Phosphoric acid (B) Butyric Acid

(C) Lactic acid (D) Acetic Acid

169. Consumption of pork is completely banned in which of the following ritual slaughtering methods?

(A) Jhatka Method (B) Hindu Method

(C) Jewish Method (D) Halal Method

170. The enzymes of glycolysis in the eukaryotic cell are located in the

(A) Intermembrane space (B) Plasma membrane

(C) Cytosol (D) Mitochondrial matrix

171. Primary lymphoid organ in birds is

(A) Spleen (B) Bursa of Fabricius

(C) Thymus (D) Pineal gland

172. Who, what, when and where are part of

(A) Plan of work (B) Evaluation

(C) Method of approach (D) Calendar of work

173. Silent lung in cattle is a characteristic feature in

(A) Exudative pneumonia (B) Pleuritis

(C) Pulmonary abscess (D) Tracheobronchitis

174. “Ring worm” lesions in abomasum of sheep and goats are characteristic of

(A) Haemonchosis (B) Ostertagiosis

(C) Cooperiosis (D) Trichostrongylosis

175. Complete destruction of endometrium and fibrosis of uterine wall is observed in

(A) Perimetritis (B) Parametritis

(C) Endometritis (D) Sclerotic metritis

176. Sickle shaped horns, long head, two white collars, one around the jaw and the other at the brisket are seen in which buffalo breed?
(A) Mehsana (B) Surti
(C) Nagpuri (D) Jaffarabdi

177. Dummy syndrome in cattle is observed in
(A) Subacute lead poisoning (B) Listeriosis
(C) Acetonemia (D) All of the above

178. Present day FMD vaccine in India contains
(A) Serotype O, A (B) Serotype O, A, Asia 1
(C) Serotype O, A, C (D) Serotype O, A, C, Asia 1

179. Which of the following protozoan infection is not associated with abortion?
(A) Leishmaniosis (B) Toxoplasmosis
(C) Neosporosis (D) Trichomoniosis

180. According to 20th livestock census, the total poultry population in India is
(A) 651.81 millions (B) 751.81 millions
(C) 851.81 millions (D) 951.81 millions

181. Tarsal gland is present in
(A) Ear (B) Eye
(C) Metatarsal (D) Tarsals

182. The quantity of milk fed to a calf of 2 week age is
(A) 1/15 of body weight (B) 1/5 of body weight
(C) 1/10 of body weight (D) 1/20 of body weight

183. Phalangeal cells are feature of
(A) Eye (B) Phalanx
(C) Pharynx (D) Ear

184. Anti-nutritional factor present in cotton seed is

(A) Oxalate (B) Gossypol

(C) Tannin (D) Saponin

185. Captive bolt stunning is not used in which species?

(A) Sheep (B) Goat

(C) Bull (D) Pig

186. Vitelline membrane is the outermost layer found in which of the following egg components?

(A) Yolk (B) Shell

(C) Shell membrane (D) Albumen

187. First scientific Artificial Insemination (in the world) was performed by

(A) Lazzaro Spallanzani (B) Sampath Kumaran

(C) R. Ivanoff (D) None

188. Forward extension of hind limb beneath fetal body is commonly observed in

(A) Breech presentation (B) Dog sitting posture

(C) Vertex presentation (D) Poll presentation

189. Marek's disease primarily affects

(A) T lymphocytes (B) Plasma cells

(C) B lymphocytes (D) Monocytes

190. Genetic reassortment is observed in

(A) FMD virus (B) Blue tongue virus

(C) Retrovirus (D) Herpes virus

191. The preferred site for urethrostomy in male dogs is

(A) Prescrotal (B) Scrotal

(C) Perineal (D) Prepubic

192. Maltese cross is associated with

(A) *Theileria annulata* (B) *Babesia canis*

(C) *Theileria equi* (D) *Babesia caballi*

193. Entomophobia in cattle is associated with
(A) *Hypoderma lineatum* (B) *Musca domestica*
(C) *Gasterophilus intestinalis* (D) None of the above

194. Cushing suture pattern is used in which of the following organ
(A) Rumen (B) Oesophagus
(C) Trachea (D) Tongue

195. Onychectomy refers to
(A) Tail amputation (B) Surgical removal of nail
(C) Excision of cyst (D) Excision of ovaries

196. Pasteurization temperature has been fixed based on the killing properties of
(A) *Mycobacterium tuberculosis* (B) *Klebsiella pneumonia*
(C) *Coxiella burnetti* (D) *Listeria monocytogenes*

197. Standardized milk has ————————% fat and ———————— SNF.
(A) 4.5 and 8.5 (B) 4.5 and 9.0
(C) 4.0 and 8.5 (D) 4.0 and 9.0

198. Feeding of buffaloes with paddy straw contaminated with *Fusarium equisetti* toxin produces
(A) Aspergillosis (B) Mucormycosis
(C) Degnala (D) Tuberculosis

199. Black disease of animals is also known as:
(A) Black leg (B) Lamsiekte
(C) Black quarter (D) Infectious necrotic hepatitis

200. One of the following diseases is also called as 'Scrofula'':
(A) Mastitis (B) Tuberculosis
(C) Ranikhet disease (D) Fowl plague

———————————

ROUGH WORK

ROUGH WORK