

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
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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) Sphygmomanometer
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 filtration 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

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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
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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 B₄ (D) Leukotriene C₄/D₄
48. Mad itch is seen in
(A) Pseudo-tuberculosis (B) Pseudo-rabies
(C) Pseudo-lumpy skin disease (D) Pseudo-FMD

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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
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57. Best treatment of luteal cyst in cow is
(A) GnRH (B) PGF2 α
(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
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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
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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 hydatigena*
(D) *Taenia tenuicollis*

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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 poisoning
(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 ψ C* arm of tRNA
(A) Serves as recognition site for amino acyl tRNA synthetase
(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 ψ 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

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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

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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) Fasciolosis (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
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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
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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 equiseti* 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

