

**1. The fixative of choice for Histopathological examination of tissue is**

**Answer:** 10% formol saline

**2. Death from starvation is assessed when**

Skeletal muscle is pale and flabby

Stomach is contracted and empty

Upper part of the small intestine is stained with bile

**Answer:** All the above

**3. Blood biomarker for kidney disease**

**Answer:** Bun and Creatinine

**4. ATMA indicates as**

**Answer:** Agricultural Technology and Management Agency

**5. Major contribution to the National Economy is by which of the livestock products?**

**Answer:** Milk and Milk products

**6. Which animal species is more susceptible to copper toxicity?**

**Answer:** Sheep

**7. Piperazine is a drug of choice against**

**Answer:** Ascariasis

**8. A tumor arising from an embryonic defect, composed of tissues from all three germinal layers (ectoderm, endoderm, and mesoderm), is called**

**Answer:** Teratoma

**9. Milk sickness is caused by the toxin**

**Answer:** Tremetol

**10. Fremitus in cows is recorded on the**

**Answer:** middle uterine artery

**11. The longest segment of the oviduct in a fowl is**

**Answer:** Magnum

**12. While most glial cells originate from the ectoderm, the glial cells that are derived from the mesoderm is**

**Answer:** Microglia

**13. A plant poisoning which causes thiamine deficiency is**

**Answer:** Bracken fern poisoning

**14. Collie breed of dog is more susceptible to the toxic effect of the drug**

**Answer:** Ivermectin

**15. The species in which signaling by the conceptus is not required for maintenance of pregnancy is**

**Answer:** Canine

**16. Fresh ejaculated semen from young, fertile stud dogs can survive in the reproductive tract of bitch up to**

**Answer:** 5-7 days

**17. The term for a sudden heritable change in genetic material is**

**Answer:** Mutation

**18. Minamata disease is caused by pollution of water with**

**Answer:** Mercury

**19. Salbutamol and Terbutaline are widely used as**

**Answer:** Bronchodilators because they are Beta-2 receptor agonists

**20. Each muscle fiber is surrounded by a network of reticular fibers known as**

**Answer:** Endomysium

**21. Pneumatic bones are feature of**

**Answer:** Fowl

**22. The largest organ in the animal body?**

**Answer:** Skin

**23. Diphallus or diphallid terata, is a congenital abnormality where a male animal is born with**

**Answer:** two penises

**24. Retractor bulbi muscle is absent in**

(a) Ox

(b) Man

**Answer:** Both b & c

**25. The scrotum is absent in**

birds

whales

elephants

**Answer:** All the above

**26. Tusk in elephants is**

**Answer:** Overgrown upper incisor teeth

**27. The largest Asiatic deer is**

**Answer:** Sambar deer

**28. Which one of the following species belong to the category of long day breeders**

**Answer:** Horse

**29. Dilated pupils and a "fish eye" appearance are typically observed in which Stage of anesthesia**

**Answer:** Stage 4

**30. A surgical incision into the teat is known as**

**Answer:** Thelotomy

**31. The inability of a male animal to impregnate a fertile female, despite having normal libido and the ability to copulate**

**Answer:** Impotentia Generandi

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**Answer:** Impotentia Generandi

**33. Which type of fracture is considered to be incomplete fracture**

(a) Hairline Fracture

(b) Greenstick Fracture

**Answer:** Both (a) and (b)

**34. The hormone that lowers calcium levels in the body is**

**Answer:** Calcitonin

**35. Hot-cold lysis of blood agar is a phenomenon primarily associated with**

**Answer:** *Staphylococcus aureus*

**36. Characteristic histological lesions of Bovine tuberculosis (TB)**

Caseous necrosis

Multinucleated giant cells and macrophages

Presence of acid-fast organisms

**Answer:** All the above

**37. Darter's disease/Goose Plague, a highly contagious disease that affects goslings, is caused by**

**Answer:** Parvo virus

**38. The signal for apoptosis primarily comes from**

**Answer:** Mitochondria

**39. The symptoms that are likely to be noticed in a fracture is**

Abnormal mobility

Crepitus & loss of function

Deformity

**Answer:** All the above

**40. A ram castrated after service**

**Answer:** Seggy

**41. Purely ketogenic amino acid**

**Answer:** Leucine and Lysine

**42. Common laboratory animals having the shortest gestation period**

**Answer:** Hamsters

**43. Disinfectant used in FMD outbreak**

2% NaOH

4% Na<sub>2</sub>CO<sub>3</sub>.

2% citric acid

**Answer:** All the above

**44. Which is an imino acid?**

**Answer:** Proline

**45. Whales and dolphins breathe through**

**Answer:** Lungs

**46. Campylobacteriosis is diagnosed by**

**Answer:** VMAT

**47. Diabetes insipidus develops due to a deficiency of the hormone**

**Answer:** ADH

**48. Teat surgery is generally more successful**

**Answer:** During the Dry period

**49. Reverse transcriptase enzyme is present in the virus family**

**Answer:** Retroviruses

**50. Agar is composed of**

Protein, Lipids, Carbohydrates

**Answer:** Mixture of all the above

**51. Rodent control is effective in controlling of the disease**

Leptospirosis

Plague

Salmonellosis

**Answer:** All the above

**52. The zoonotic disease(s) involving birds playing an important role in the transmission**

Avian influenza

Cryptosporidiosis

Campylobacteriosis

**Answer:** All the above

**53. Which of the following inhibits aggregation of platelets**

**Answer:** Aspirin

**54. Brucella organisms primarily multiply in the presence of**

**Answer:** Erythritol

**55. Lobulation of the lungs is most distinct in**

**Answer:** Cattle

**56. The number of Lumbar vertebrae in dogs**

**Answer:** 7

**57. The nucleated thrombocytes are present in blood of**

**Answer:** Fowl

**58. Subacute glomerulonephritis is grossly described as a**

**Answer:** Large White Kidney

**59. Calcitonin is secreted by**

**Answer:** Thyroid gland

**60. GnRH is primarily secreted from**

**Answer:** Hypothalamus

**61. Gasping in birds is a symptom of**

**Answer:** ILT

**62. The leukocytes with granules most toxic to parasites are**

**Answer:** Eosinophils

**63. Occupational radiation hazards can be prevented by wearing an apron of**

**Answer:** Lead

**64. A garlic-like odor in gastrointestinal contents is most suggestive of**

**Answer:** Phosphorus poisoning

**65. The extracellular parasite is**

**Answer:** Trypanosome

**66. The drug used to experimentally induce diabetes in dogs**

(a) Alloxan

(b) Streptozotocin

**Answer:** both (a) and (b)

**67. Superovulation in cattle is primarily induced by hormonal injections of**

**Answer:** FSH

68. Parasite which causes tumor condition in dogs?

**Answer:** *Spirocerca lupi*

69. The vitamin known for its anti-hemorrhagic properties

**Answer:** Vitamin K

70. Traumatic hepatitis in sheep is caused by?

**Answer:** *Fasciola hepatica*

71. Protein which is specific for viral infection?

**Answer:** Interferons

72. Gall bladder is present in which of the following wild animal

**Answer:** Musk deer

73. The drug of choice for treating hydrallantois in cows is

**Answer:** PGF<sub>2</sub>α

74. In which species of animal, the glans penis is directed caudally when erect

**Answer:** Cat

75. A distinct intercornual ligament connecting the uterine horns of

**Answer:** Cow

76. Cervix is poorly defined in

**Answer:** Bitch

77. The antibody that can exist as a monomer, dimer, trimer, and tetramer is

**Answer:** IgA

78. "Gall Sickness" is the synonym for

**Answer:** Anaplasmosis

79. Cross between yak and buffalo

**Answer:** Yakalo

80. Inflammation of the prepuce

**Answer:** Posthitis

81. Frog like posture in a cow with extender hind limbs

**Answer:** Rupture of abductor muscles

82. By recto-vaginal method of insemination in cows, the AI catheter is initially inserted pointing upwards at an angle of about 30° to

**Answer:** Avoid urethral meatus

83. Breed of buffalo not originate from Gujarat

**Answer:** Murrah

84. Tallest sheep of India

**Answer:** Nellore

85. The age of Disbudding in calves is

**Answer:** 3-10 days

86. The best breeding season for horses in India

**Answer:** Spring

87. Thin layer of peptidoglycan is present in

**Answer:** Gram-ve bacteria

88. Which of the following is not a greenhouse gas?

**Answer:** H<sub>2</sub>

**89. Bovine Dermatophytosis is usually caused by**

**Answer:** *Trichophyton verrucosum*

**90. Which of the following is not the property of mycotoxins?**

**Answer:** Immunogenic compound

**91. Which of the following is correctly paired**

Fruity flavor of milk - *Pseudomonas fragi*

Musty potato flavor of milk - *Propionibacterium species*

Malty flavor of raw milk - *Streptococcus lactis var maltigenes*

**Answer:** All the above

**92. The blue discoloration in milk is caused by the associative action of**

**Answer:** *Streptococcus lactis* and *Pseudomonas synchyanea*

**93. Most of the Co-Enzymes, are Derivatives of**

**Answer:** Vitamin B complex

**94. The end product of Glycolysis under Anaerobic condition is**

**Answer:** Lactic Acid

**95. A farmer reports resistance in *Haemonchus contortus* to Fenbendazole in his Flock. As there is anthelmintic resistance to Fenbendazole what alternate drug can be used?**

**Answer:** Levamisole

**96. The lighter level of anesthesia that is not suitable for surgical procedures but helps in restraining the animal is called**

**Answer:** Basal anaesthesia

**97. The role of bovines in the life cycle of *Taenia saginata***

**Answer:** Intermediate host

**98. Rectal pinch smear is used for diagnose of**

**Answer:** Johne's disease

**99. As per food safety and standards (Food products standards and food additives) regulations, 2011 the total urea content in milk should not exceed**

**Answer:** 700 ppm

**100. Cholic acid is obtained from**

**Answer:** Bile

**101. Curing of meat is done by adding**

**Answer:** Salt, Sugar and Nitrate (or) Nitrite

**102. Choose the average boiling point of buffalo milk**

**Answer:** 100.5°C

**103. Hook worm vaccine contains**

**Answer:** X ray irradiated larvae

**104. Plasma half-life is the time required for**

**Answer:** The plasma level of a drug to fall by 50 per cent

**105. Ammonotelic animals which excrete nitrogenous waste in the form of ammonia are**

**Answer:** Fishes and Frogs

**106. Conjugated bilirubin level is elevated in**

**Answer:** Post hepatic jaundice

107. The recommended site for epidural anesthesia in equine is

**Answer:** Between 1st and 2nd coccygeal vertebrae

108. Surgical removal of the yolk sac from newly hatched out chicks for experimental purpose is

**Answer:** Deutectomy

109. Membranous obstruction of teat in cattle is called as

**Answer:** Teat spider

110. Absence of moisture in the air promotes one of the following in a dead body

**Answer:** Mummification

111. Fracture resulting from disease condition is known as

**Answer:** Pathological fracture

112. The following antibiotic has remarkable activity against mycoplasma

**Answer:** Tylosin

113. Among the following injectable anesthetics, which one is clinically used as an anticonvulsant drug?

**Answer:** Phenobarbital

114. Reconstitution of the powders for injection, penicillin G potassium or penicillin G sodium solutions are stable for how many days @ 2-8 °C.

**Answer:** 7 days

115. The renal stone that does not cast a shadow on a plain X-ray is

**Answer:** Uric acid

116. The study of sources of drugs is called as

**Answer:** Pharmacognosy

117. Example of Phase II reactions

**Answer:** Methylation

118. Common local anesthetic that is used topically on the cornea of animal is

**Answer:** Proparacaine

119. Consider the following statements about aminoglycosides and choose the best answer

**Answer:** Tendency to cause kidney damage

120. The demand and supply of livestock products are equal at \_\_\_\_ price.

**Answer:** Equilibrium price

121. The system of cleaning and sanitization followed in dairy industry is

**Answer:** CIP

122. Fermenting organism used for Yogurt preparation is

**Answer:** *Streptococcus thermophilus*

123. Bilirubin test is used to assess

**Answer:** The time of bruising

124. The principal anti-microbial factor present in the egg

**Answer:** Conalbumin

125. The minimum fat present in the ice cream is

**Answer:** 10%

126. The moisture content for whole milk powder, as per Indian standards, should not exceed

**Answer:** 4%

127. The most probable sequence of development of a trematode

**Answer:** Egg-miracidium-sporocyst-redia-cercaria-metacercaria

128. Dressing percentage in broiler poultry is

**Answer:** 70-75%

129. In *Entamoeba histolytica*, which of the following stage is capable of inducing new infection

**Answer:** Quadri-nucleated cyst

130. The parasite that is found in the lung of tiger is

**Answer:** *Paragonimus westermani*

131. Strawberry foot rot in sheep is caused by

**Answer:** *Dermatophilus congolensis*

132. In which programmes, the male dogs are castrated and the females are subjected to spaying, **Answer:** ABC programme

133. TNLDC stands for

**Answer:** Tamil Nadu Livestock Development Corporation

134. The HACCP system comprises how many principles/steps.

**Answer:** 7

135. As per food safety and standards Act, 2006 the concentration of CO<sub>2</sub> for gas stunning of pigs should be

**Answer:** 90% by volume

136. Mature lung worms (*Dictylocaulus viviparous*) reside in

**Answer:** Bronchi

137. Histopathologic evidence of rabies encephalomyelitis in brain tissue and meninges includes

**Answer:** Negri bodies

138. Brain hemorrhage is known as

**Answer:** intracranial hemorrhage or brain bleed

139. Non-specific germicidal factor present in milk is

**Answer:** Lactoferrin

140. The specific antimicrobial compounds found in milk is

Immunoglobulins

Complement

Bifidus factor

**Answer:** All of the above

141. Molybdenum toxicity in cattle is called as

**Answer:** Teartness or peat scores

142. Congenital abnormality characterized by absence of the lumbar, sacral and coccygeal spinal segments and spinal cord, associated with musculoskeletal malformations of the hindquarters is termed as

**Answer:** Perosomus elumbis



**143. Which of the following neurotransmitter involved in penile erection?**

**Answer:** Nitric oxide

**144. The process of removing wool from around the perineal region and base of the tail in sheep**

**Answer:** Crutching

**145. Very soft and friable tumors are described as**

**Answer:** Encephaloid tumors

**146. Roaring in horses is caused by paralysis of**

**Answer:** Left recurrent laryngeal nerve

**147. The end product of protein metabolism in mammals is**

**Answer:** Urea

**148. The class of immunoglobulins produced in response to infectious agents affecting mucosal surfaces**

**Answer:** IgA

**149. Interfollicular infiltration of tumor cells in the bursa is a characteristic finding in**

**Answer:** Marek's disease

**150. Metallic surgical equipment can be disinfected using**

Chemical disinfectants

Autoclave

UV irradiation

**Answer:** All of the above

**151. Rank of India in World milk production**

**Answer:** First

**152. The pecten is a comb-like structure of blood vessels found in the eyes of**

**Answer:** Birds

**153. Red fever in cattle is caused by**

**Answer:** *Babesia bigemina*

**154. Anal pruritis in dogs is associated with**

**Answer:** *Dipylidium caninum*

**155. Rho factor is required for the termination of**

**Answer:** Transcription

**156. Neutrophils are often referred to as heterophils in the species**

Poultry

Rabbit

Reptiles

**Answer:** All the above

**157. Brunner's glands are specifically associated with**

**Answer:** Duodenum

**158. The opening found in cloaca of birds**

Coprodeum

Urodeum

Proctodeum

**Answer:** All the three

159. The highly pathogenic species of *Anaplasma* that causes bovine anaplasmosis in cattle

**Answer:** *Anaplasma marginale*

160. Symptomatic anthrax is another name for

**Answer:** Black quarter

161. Which strain of New Castle disease is used for the vaccination in a day-old chick?

**Answer:** B1 Strain

162. The pancreas is a

**Answer:** both Exocrine and Endocrine gland

163. Hassall's corpuscles are primarily seen in

**Answer:** Thymus

164. According to the World Health Organization (WHO), a country can be declared free from dog-mediated rabies if there have been no confirmed cases of human rabies transmitted by dogs for at least

**Answer:** 2 years

165. Anthelmintic drug available for both parenteral and oral administration in cattle

**Answer:** Levamisole

166. The drug used to treat straining animals in case of defecation is

**Answer:** Laxatives

167. A specific region on an antigen that an antibody recognizes and binds to it is known as

**Answer:** Epitopes

168. How long after the intradermal tuberculin injection should the caudal tail fold test for tuberculosis in cattle be interpreted:

**Answer:** 66 to 78 hours

169. In a 'rabid' cow, which specimen is rabies virus likely to be found in highest concentration?

**Answer:** Cerebrospinal fluid

170. By what mechanism does the exotoxin of *Clostridium botulinum* cause neurologic disease?

**Answer:** Blocks acetylcholine release at neuromuscular junction

171. Which of the following poultry origin zoonotic pathogen can cause the "Guillain Barre syndrome Reactive Arthritis" in human?

**Answer:** *Campylobacter jejuni*

172. Cows that produce beta-casein with proline at position 67 in the 229 amino acid chain are called **Answer:** A2 cows

173. If milk is adulterated with Formalin which of the following will react with it to give a purple colour ring at the junction of the milk layer.

(a) Sulphuric acid

(b) Ferric chloride

**Answer:** (d) Both A & B

174. As a young Veterinarian you are called to necropsy a calf that has died suddenly.

Initial examination of the calf shows non clotted blood exiting from the nares, mouth, and anus. What is the most important course of action?

**Answer:** Do not proceed with necropsy due to a possibility that calf died from Anthrax

**175. What is the upper limit set by FSSAI for contamination of milk with urea?**

**Answer:** 700 ppm

**176. A short period of hyperthermia is advantageous in an infectious disease because**

Phagocytosis takes place

Immune body productions are facilitated.

Viability of most invading organism is impaired

**Answer:** All of the above.

**177. A 6-year-old Holstein cow with diarrhea fails to respond to anti-microbial therapy and died. At necropsy, the mucosa of the large intestines is grossly thickened. Histology examination reveals acid fast bacteria in the mucosa of the thickened intestine. What is the most likely cause of these findings?**

**Answer:** *Mycobacterium paratuberculosis*

**178. The best time to manage an open wound is**

**Answer:** within the first 6 hours of injury

**179. A minimum fat percent is found in the milk of cow breed**

**Answer:** Holstein-Friesian

**180. Blood fluke is**

**Answer:** *Schistosoma bovis*

**181. Elevated quantity of non-protein nitrogen containing compounds in the blood is known as**

**Answer:** Azotemia

**182. Jaagsiekte is a slow viral disease that affects**

**Answer:** Sheep

**183. A disease outbreak that spreads across multiple countries or continents, affecting a large portion of the world's population.**

**Answer:** Pandemic

**184. Gid in sheep is caused by**

**Answer:** Bladder worm

**185. Half of the herd is referred to**

**Answer:** Bull

**186. Which breed is known as Merino of India?**

**Answer:** Chokla

**187. Organism responsible for 'Gas gangrene'**

**Answer:** Clostridium

**188. Dry gangrene occurs when there is**

**Answer:** Occlusion of artery

**189. Miracidium is present in**

**Answer:** Trematodes

**190. Folic acid mechanism is affected by**

**Answer:** Sulfonamides

**191. Cerebrospinal fluid is formed at**

**Answer:** Choroid plexus

**192. The smallest ear ossicle is**

**Answer:** Stapes

**193. Water regulating hormone**

**Answer:** ADH

**194. Defaunation is the removal of**

**Answer:** Protozoa from rumen

**195. The process of synthesis of protein from RNA is called**

**Answer:** Translation

**196. Transposon is known as**

**Answer:** Jumping gene

**197. Number of base pair units in a single turn of DNA**

**Answer:** 10

**198. The acromion process of the scapula is rudimentary in**

**Answer:** Pig

**199. In a dog's femur, the two sesamoid bones located on either side of the distal are called**

**Answer:** Fabellae

**200. SMEDI (Stillbirth, Mummification, Embryonic Death, and Infertility) syndrome in pigs is caused by**

**Answer:** Parvo Virus