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TNPSC VAS

**Previous Year Paper
(AHVS)
15 Mar, 2023**



COMPUTER BASED TEST - 2023
PAPER - I / தாள் - I
ANIMAL HUSBANDRY AND VETERINARY SCIENCE

1. Mischief is punishable under sections of any one of the following
 - (A) 128 and 129 IPC
 - (B) 228 and 229 IPC
 - (C) 528 and 529 IPC
 - (D) 428 and 429 IPC
 - (E) Answer not known

2. Match the following with suitable answers :

(a)	(b)	(c)	(d)
(A) 4	3	1	2
(B) 4	2	1	3
(C) 4	1	2	3
(D) 4	3	2	1
(E) Answer not known			



3. Match List I (Act) with List II (Year) and select the correct answer using the codes given below the List :

List I	List II			
(a) Prevention of cruelty to Animal	1.	1972		
(b) Wild Life Protection	2.	1960		
(c) Livestock importation	3.	1998		
(d) Biomedical management	4.	1898		
	(a) (b) (c) (d)			
(A) 3 2 1 4				
(B) 1 3 2 4				
(C) 2 1 4 3				
(D) 4 1 2 3				
(E) Answer not known				

4. Animal welfare board of India was established during

- | | |
|----------------------|----------|
| (A) 1954 | (B) 1960 |
| (C) 1962 | (D) 1972 |
| (E) Answer not known | |

5. The prevention of cruelty to Animals Act, 1960 extends to the whole of India except the state of

- | | |
|----------------------------------|-------------------|
| (A) Tamil Nadu | (B) Kerala |
| (C) Jammu and Kashmir | (D) Uttar Pradesh |
| (E) Answer not known | |

15. Veterinary Council of India was established under the Provision of IVC Act,

(A) 1994 (B) 1964
(C) 1974 (D) 1984
(E) Answer not known

16. NSSO stands for

(A) National Social Survey Organisation
(B) National Sample Survey Organisation
(C) National Statistical Survey Office
(D) National Society Survey Office
(E) Answer not known

17. Which of the following is correctly paired?

ICAR Institutes	Location
(A) NIANP	Hyderabad
(B) NRC-Meat	Bengaluru
(C) NBAGR	Hissar
(D) NRC-Yak	Dirang
(E) Answer not known	

18. The total livestock population based on 20th livestock census in India is

(A) 580.06 millions (B) 512.06 millions
(C) 612.06 millions (D) 448.06 millions
(E) Answer not known

19. HACCP stands for

- (A) Hazard Analysis Critical Control Programme
- (B) Hazard Analysis Co-ordinated Control Points
- (C) Hazard Analysis Control Points
- ~~(D)~~ Hazard Analysis Critical Control Point
- (E) Answer not known

20. The HACCP system comprises _____ principles/steps.

- (A) 9
- (B) 5
- ~~(C)~~ 7
- (D) 6
- (E) Answer not known

21. As per food safety and standards Act, 2006 the concentration of CO₂ for gas stunning of pigs should be

- (A) 80% by volume
- (B) 75% by volume
- ~~(C)~~ 90% by volume
- (D) 98% by volume
- (E) Answer not known

22. Over working of butter leads to _____ defect

- (A) Gummy
- ~~(B)~~ Greasy
- (C) Leaky
- (D) Cheesy
- (E) Answer not known

23. The Iron content of Khoa exceeds _____ ppm

- (A) 20
- (B) 50
- (C) 75
- ~~(D)~~ 100
- (E) Answer not known

24. Which process is the first pre-requisite for sampling of milk?
- (A) Mixing (B) Cooling
(C) Heating (D) Filtering
(E) Answer not known
25. Identify the antioxidant used in ghee to prevent the oxidation of fat
- (A) Sodium Chloride (B) Butylated hydroxy anisole
(C) Sodium alginate (D) Calcium Chloride
(E) Answer not known
26. _____ is the principal anti-microbial factor present in the egg
- (A) Ovalbumin (B) Conalbumin
(C) Avidin (D) Ovomucin
(E) Answer not known
27. The minimum fat present in the ice cream is
- (A) 8% (B) 10%
(C) 12% (D) 11%
(E) Answer not known
28. The system of cleaning and sanitization followed in dairy industry is
- (A) GMP (B) CCP
(C) CIP (D) CCS
(E) Answer not known

29. Fermenting organism used for Yogurt preparation is
- (A) L. Delbrueckii ssp. bulgaricus and streptococcus thermophilus
(B) E.Coli
(C) Pseudomonas Putrefaciens
(D) Staphylococcus aureus
(E) Answer not known
30. To determine both heat stability and ph of milk, the following platform test is conducted
- (A) Alcohol Alizarin test (B) Titrable acidity test
(C) Sediment test (D) Clot on boiling test
(E) Answer not known
31. As per Indian standards, the moisture content of dried milk should not exceed.
- (A) 2% (B) 4%
(C) 6% (D) 8%
(E) Answer not known
32. Bilirubin test is used to assess
- (A) The time of bruising
(B) The efficiency of bleeding
(C) The extend of muscle splashing
(D) The efficiency of stunning
(E) Answer not known

33. 10% of _____ is popularly called as water glass, used for preservation of eggs.
- (A) Ammonium silicate
 (B) Sodium silicate
(C) Potassium silicate
(D) Magnesium silicate
(E) Answer not known
34. Ingestion of under cooked beef and pork can cause
- (A) Taeniasis
(B) Dermato mycosis
(C) Japanese B encephalitis
(D) (B) and (C)
(E) Answer not known
35. Chicken Egg Yolk contains about _____ of cholesterol.
- (A) 106 mg
 (B) 226 mg
(C) 430 mg
(D) 75 mg
(E) Answer not known
36. Gall bladder is absent in
- (A) Pig
(B) Sheep
(C) Cattle
 (D) Horse
(E) Answer not known

37. Ossein is a

- (A) Pure protein from collagen
- (B) Demineralized bone
- (C) Crude form of gelatine
- (D) Pure form of glue
- (E) Answer not known

38. Which of the following statements are true about Antemortem examination?

- . (i) To detect certain diseases, which are toxic or contagious and whose identification is either difficult or impossible during postmortem
 - (ii) Antemortem examination is always conducted in Lairage only.
 - (iii) To diagnose disease conditions for control purposes.
 - (iv) To check the efficiency of slaughter and carcass dressing.
- (A) (i) and (iv) only
 - (B) (iii) and (iv) only
 - (C) (i) and (ii) only
 - (D) (ii) and (iv) only
 - (E) Answer not known

39. Bloom of meat is referred as the property of

- (A) Fresh carcass
- (B) Frozen carcass
- (C) Cooked meat
- (D) Smoked meat
- (E) Answer not known

40. Dressing percentage in broiler poultry is _____%.
- (A) 70 – 75%
(B) 40 – 50%
(C) 50 – 60%
(D) 80%
(E) Answer not known
41. Maximum permissible load for medium sized bullock in two wheeled vehicle fitted with ball bearing
- (A) 1800 kg
(B) 1400 kg
(C) 1200 kg
(D) 1050 kg
(E) Answer not known
42. The device which alternates vacuum and atmospheric air between the rubber liner and teat cup shell is called as
- (A) Vacuum pump
(B) Vacuum gauge
(C) Pulsator
(D) Milk claw
(E) Answer not known

43. The withdrawal of milk should be completed within _____ minutes.
- (A) 5 to 7
(B) 8 to 10
(C) 11 to 13
(D) 13 to 15
(E) Answer not known
44. (i) Animals like crocodiles and alligators and most non-mammals have homodont dentition
(ii) Most mammals have heterodont dentition.
- (A) (i) and (ii) false
(B) (i) and (ii) true
(C) (i) true and (ii) false
(D) (i) false and (ii) true
(E) Answer not known
45. In the scorecard for a dairy cow, the general appearance, dairy character, body capacity and mammary system will have following points
- (A) 20, 30, 20 and 30
(B) 20, 20, 30 and 30
(C) 30, 20, 20 and 30
(D) 30, 30, 20 and 20
(E) Answer not known

46. In wool, the wavelength of the crimp decreases as fibre diameter
- (A) Increases
(B) Decreases
(C) Remains same
(D) Gets reduced
(E) Answer not known
47. During _____ month, clip yields best quality wool which is white in colour and gives higher yields in sheep.
- (A) March – April
(B) July – August
(C) September – October
(D) November – December
(E) Answer not known
48. The gestation period of goats is
- (A) 112-120 days
(B) 120-134 days
(C) 136-142 days
(D) 148-156 days
(E) Answer not known

49. In captive management of wild animals, which of the following animals should be housed in single as it is solitary in wild
- (i) Lion
 - (ii) Tiger
 - (iii) Deer
 - (iv) Elephant
- (A) (i) only
 - (B) (ii) only
 - (C) (i) and (ii) only
 - (D) (iii) and (iv) only
 - (E) Answer not known
50. Turning of egg is more critical during the _____ days of incubation.
- (A) First 3 days
 - (B) Last 3 days
 - (C) First 14 days
 - (D) Last 14 days
 - (E) Answer not known
51. Which of the following management procedure(s) is/are to be performed for the cleanliness and to improve cutaneous blood circulation in dairy cows?
- 1. Dipping
 - 2. Grooming
 - 3. Clipping
- (A) 1 alone correct
 - (B) 2 alone correct
 - (C) 1 and 2 are correct
 - (D) 3 alone correct
 - (E) Answer not known

56. Which one of the following is incorrectly paired?

Cattle breed	Unique feature
(A) Vechur	— Miniature cattle
(B) Umblacherry	— Excellent for wet ploughing
(C) Punganur	— Dwarf cattle
(D) Nagori	— Milch cattle
(E) Answer not known	

57. Match the buffalo breeds with its horn shape.

(a) Surti	1. Tightly curved horns
(b) Murrah	2. Drooping horns
(c) Mehsana	3. Sickle shaped horns
(d) Jaffarabadi	4. Irregular shaped horns

	(a)	(b)	(c)	(d)
(A)	3	1	4	2
(B)	1	4	2	3
(C)	3	1	2	4
(D)	3	4	1	2
(E)	Answer not known			

58. What is the Gestation period of panthers?

- (A) 90-93 days
- (B) 118-120 days
- (C) 58-60 days
- (D) 110-113 days
- (E) Answer not known

63. The roughage and concentrate are processed together and compressed in a machine is called as
- (A) Baling
 (B) Feed block
(C) Crumble
(D) Flakes
(E) Answer not known
64. Groundnut cake (GNC) should not be included more than 25% in swine feed because
- (i) It tends to produce a soft body fat
(ii) Pigs are more susceptible to aflatoxin
(iii) It may have troublesome laxative action
- Which of the above statements are true about GNC?
- (A) (i) only
(B) (ii) only
(C) (i) and (ii) only
 (D) (i), (ii) and (iii)
(E) Answer not known
65. Energy deficiency in pregnant sheep causes _____ diseases.
- (A) Twin lamb disease (B) Milk fever
(C) Grass tetany (D) Acidosis
(E) Answer not known

66. What is the method used to detect and identify animal materials in feed?

- (A) Feed microscopy
- (B) Floatation technique
- (C) Spot chemical test
- (D) Physical tests
- (E) Answer not known

67. Rumen bypass fat

- (A) Interfere with fibre digestibility in the rumen
- (B) Digested in the large intestine
- (C) Fed to young calf
- (D) Support high energy demand of early lactation cows
- (E) Answer not known

68. (i) Captive elephants may be provided 3-5 per cent protein for maintenance.

(ii) The energy requirement of elephant for basic metabolic process is to be 12-13 Kcal per kg body weight per day.

- (A) (i) and (ii) true
- (B) (i) true and (ii) false
- (C) (i) false and (ii) true
- (D) (i) and (ii) false
- (E) Answer not known

69. Loss of soluble minerals, sugars and nitrogenous constituents due to rain while hay making is called as
- (A) Bleaching
 - (B) Washing
 - (C) Dilution
 - (D) Leaching
 - (E) Answer not known
70. Assertion [A] : Silage supplies only a small amount of undegradable protein
Reason [R] : The protein in silage is highly degradable
- (A) [A] is true but [R] is false
 - (B) Both [A] and [R] are true; and [R] is the correct explanation of [A]
 - (C) Both [A] and [R] are true; but [R] is not the correct explanation of [A]
 - (D) [A] is false and [R] is true
 - (E) Answer not known
71. When urea is fed at excessive levels to ruminants, large amounts of _____ are liberated in the rumen.
- (A) Ammonia
 - (B) Nitrogen
 - (C) Hydrogen
 - (D) Oxygen
 - (E) Answer not known

72. _____ is an example of probiotic organism added in the feed of non-ruminants as feed additive.
- (A) *Streptococcus bovis*
 - (B) *Aspergillus flavus*
 - (C) *Lactobacillus acidophilus*
 - (D) *Ruminococcus flavefaciens*
 - (E) Answer not known
73. Which of the following statement(s) is/are true with respect to thiamine deficiency?
1. Causes polyneuritis in animals
 2. In birds, characteristic paralysis of neck muscles
 3. Myelin sheath of the nerves are severely affected
 4. Causes black tongue in dogs
- (A) 1, 2 and 3 are correct
 - (B) 1, 2 and 4 are correct
 - (C) 1, 3 and 4 are correct
 - (D) 2, 3 and 4 are correct
 - (E) Answer not known
74. Enzootic neonatal ataxia in lambs and calves is due to
- (A) Zinc deficiency
 - (B) Copper deficiency
 - (C) Iron deficiency
 - (D) Manganese deficiency
 - (E) Answer not known

75. High level of molybdenum in animal feed causes a conditioned

- (A) Zinc deficiency
- (B) Iron deficiency
- (C) Cobalt deficiency
- (D) Copper deficiency
- (E) Answer not known

76. Which of the following is correctly paired?

- | | | |
|---------------------------|---|------------|
| 1. Monoamine oxidase | - | Copper |
| 2. Carbonic anhydrase | - | Zinc |
| 3. Pyruvate Carboxylase | - | Manganese |
| 4. Glutathrone peroxidase | - | Molybdenum |

- (A) 1, 2 and 3 are correct
- (B) 1, 2 and 4 are correct
- (C) 2, 3 and 4 are correct
- (D) 1, 3 and 4 are correct
- (E) Answer not known

77. The anti nutritional factor present in the sal seed meal is

- (A) Gossypol
- (B) Mimosine
- (C) Saponin
- (D) Tannin
- (E) Answer not known

78. Which one of the following is a saturated fatty acid?
- (A) Oleic acid
(B) Linoleic acid
 (C) Stearic acid
(D) Arachidonic acid
(E) Answer not known
79. Which one of the following amino acids are effective metal binding agents and helps in transport and storage of metal elements throughout the body?
- (A) Leucine and lysine
(B) Threonine and Tryptophan
 (C) Cysteine and Histidine
(D) Valine and glycine
(E) Answer not known
80. (i) Gross assimilation efficiency is a measure of how well an animal utilises its food. It is also known as apparent dry matter digestibility.
(ii) Gross assimilation efficiency depends upon the efficiency of the gut and the digestibility of the food
- (A) (i) true and (ii) false
(B) (i) false and (ii) true
 (C) (i) and (ii) true
(D) (i) and (ii) false
(E) Answer not known

81. In National Research Council (NRC) standard energy requirement for poultry is expressed in terms of
- (A) Digestible Energy (DE)
 - (B) Net Energy (NE)
 - (C) Metabolizable Energy (ME)
 - (D) Total Digestible Nutrients (TDN)
 - (E) Answer not known
82. Recurrent Selection (RS) and Recurrent Reciprocal Selection (RRS) are commonly used in
- (A) Cattle and Buffalo breeding
 - (B) Sheep and Goat breeding
 - (C) Poultry and Swine breeding
 - (D) Duck and quail breeding
 - (E) Answer not known
83. For improvement of low producing non descript cattle in India, the choice of exotic breed for coastal and tropical climate areas is
- (A) Holstein - Friesian
 - (B) Jersey
 - (C) Brown Swiss
 - (D) Guernsey
 - (E) Answer not known
84. A complete diploid set of chromosomes (at metaphase stage) from one cell of a species arranged in pairs on the basis of size, shape and other distinguishing features is called
- (A) Idiogram
 - (B) Karyotype
 - (C) Banding
 - (D) Dendrogram
 - (E) Answer not known

85. In DNA, the concentration of Thymine was always equal to the concentration of adenine and the concentration of cytosine was always equal to the concentration of quanine. The above fact was discovered by

(A) E. Chargaff and Coworkers
(B) J.D. Watson and F.H.C. Crick
(C) Rosalind Franklin
(D) Maurice Wilkins
(E) Answer not known

86. In DNA, the nucleotides are linked together and forms polynucleotide chain by _____.

(A) Covalent bond
(B) Co-ordinate bond
(C) Hydrogen bond
(D) Phosphodiester bond
(E) Answer not known

87. The Headquarters for Zoological Survey of India is situated in

(A) Chennai
(B) Mumbai
(C) New Delhi
(D) Kolkatta
(E) Answer not known

88. Occurrence of crossing over in one region of a chromosome interferes with the chance of another crossing over to occur in the adjacent region on the same chromosome is referred as _____

(A) Co-incidence
(B) Interference
(C) Recombinant
(D) Non-recombinant
(E) Answer not known

94. The gestation period of Great One horned Rhinocerous is
- (A) 280 days (B) 325 days
(C) 440 days (D) 485 days
(E) Answer not known
95. The 2N number of chromosome 60 is reported in
- (A) Cattle (B) Buffalo
(C) Sheep (D) Pig
(E) Answer not known
96. Pandharpuri is a breed of
- (A) Cattle (B) buffalo
(C) Monkey (D) Camel
(E) Answer not known
97. Vembur is a breed of _____ in Tamil Nadu.
- (A) Goat (B) Sheep
(C) Cattle (D) Pig
(E) Answer not known
98. Best Mutton type of sheep breed of Tamil Nadu is
- (A) Mecheri (B) Coimbatore
(C) Madras Red (D) Nilgiri
(E) Answer not known

99. The gas produced by ruminants that damage the atmosphere is

(A) Oxygen (B) CO_2
(C) Ammonia (D) ~~Methane~~
(E) Answer not known

100. Withdrawal of this hormone triggers lactogenesis

(A) Estrogen (B) Glucocorticoids
(C) Glucagon (D) ~~Progesterone~~
(E) Answer not known

101. Highest amount of cholesterol carrying lipoprotein in blood is

(A) ~~VLDL~~ (B) LDL
(C) HDL (D) Chylomicron
(E) Answer not known

102. Renin-Angiotensin-Aldosterone mechanism causes the body to conserve the following ion

(A) Hydrogen (B) Bicarbonates
(C) ~~Sodium~~ (D) Potassium
(E) Answer not known

103. Smallest cells in the blood

(A) Leukocytes (B) ~~Platelets~~
(C) Erythrocytes (D) Phagocytes
(E) Answer not known

108. Which one of the following ions facilitates rapid absorption of carbohydrates in intestine?

- (A) Ca^{++} (B) Na^{+}
(C) K^{+} (D) Cl^{-}
(E) Answer not known

109. The bone in the snout of Porcines is

- (A) Os rostri (B) Os phrenic
(C) Os navicularis (D) Os cordis
(E) Answer not known

110. The type of papillae seen more on the Torus lingua of tongue are

- (A) Filiform (B) Fungiform
(C) Circumvallate (D) Lenticular
(E) Answer not known

111. Which of the statement is false with regard to sweating?

- (A) Evaporation is bidirectional heat exchange
(B) Apocrine sweat glands are important for evaporative heat loss in domestic animals
(C) In dogs, sweating is insignificant in heat regulation
(D) Reflex sweating may occur in absence of increased central temperature
(E) Answer not known

112. Thick and syrupy urine is seen in

- (A) Cattle
- (C) Equines
- (B) Pregnant goat
- (D) Canines
- (E) Answer not known

113. Which of the following statements are true about Abomasum?

- (i) It is the first glandular portion of the ruminant digestive system
 - (ii) The low pH of abomasal contents is responsible for the death of the microbes
 - (iii) It is a spherical organ filled cyclo muscular laminae
 - (iv) Abomasal epithelium Secrete HCl pepsin and mucus.
- (A) (i) only
 - (B) (i), (ii) and (iii) only
 - (C) (i), (ii), (iii) and (iv) only
 - (D) (i), (ii) and (iv) only
 - (E) Answer not known

114. The last segment of the coccygeal vertebra in fowl is designated as

- (A) Pygostyle
- (B) Styloid process
- (C) Coccygeal mass
- (D) Lumbosacral mass
- (E) Answer not known

115. OS penis in dog and cat is the transformation of _____ structure.

- (A) Corpus bulbar
- (B) Corpus cavernosum
- (C) OS Pedis
- (D) OS Phrenic
- (E) Answer not known

116. The nerve supplying the laryngeal musculature of the cattle is

- (A) Hypoglossal nerve
- (B) Vagus nerve
- (C) Fascial nerve
- (D) Oculomotor nerve
- (E) Answer not known

117. In cattle, "Pipe stem liver" appearance is related to one of the following

- (A) Chronic fascioliasis
- (B) Haemonchosis
- (C) Anthrax
- (D) Amphistomiasis
- (E) Answer not known

118. Woods Lamps technique is followed in the diagnosis of

- (A) Parasitic diseases
- (B) Bacterial diseases
- (C) Viral diseases
- (D) Fungal diseases
- (E) Answer not known

119. Loss of body weight, pneumonia hacking cough, pleurisy, feces coated with mucus, pus cells and occasionally blood and on rectal examination reveal enlarged mesenteric lymphnode, the above findings are related to one of the following in cattle.

- (A) Contagious bovine pleuropneumonia
- (B) Tuberculosis
- (C) MCF
- (D) HS
- (E) Answer not known

120. Which species of animals are more commonly affected by *Toxocara Vitulorum* in India?

- (A) White cattle
- (B) Buffalo calves
- (C) Sheep
- (D) Goats
- (E) Answer not known

121. Antigenic variation is commonly noticed in

- (A) Trypanosomes
- (B) Babesia Sp.
- (C) Theileria Sp.
- (D) Anaplasma Sp.
- (E) Answer not known

122. Bluetongue virus is transmitted to sheep by

- (A) Mosquitos
- (B) Culicoides
- (C) Earthworm
- (D) Ticks
- (E) Answer not known

123. Internationally accepted serological test for diagnosis of leptospirosis is

- (A) Dark Field Microscopy (DFM)
- (B) ELISA
- (C) Microscopic Agglutination Test (MAT)
- (D) Fluorescent Antibody Test (FAT)
- (E) Answer not known

124. Vaccines containing killed bacteria are called

- (A) Bacterins
- (B) Toxoids
- (C) Adjuvant
- (D) Hapten
- (E) Answer not known

125. *Bacillus anthracis* in a bovine blood smear showing square ended blue bacilli in short chain surrounded by a pink capsule stained by

- (A) Leishman's stain
- (B) Polychrome methylene blue
- (C) Gram's staining
- (D) Ascolic precipitation test
- (E) Answer not known

126. Substances that have the ability to increase (or) modulate the intrinsic immunogenicity of an antigen are referred to as
- (A) Adjuvants
 - (B) Emulsions
 - (C) Plasmids
 - (D) Preservatives
 - (E) Answer not known
127. Common serotypes of FMD virus prevalent in India
- (A) Serotype 'O' only
 - (B) Serotypes 'O' and 'A' only
 - (C) Serotypes O, A and Asia 1
 - (D) Serotypes O, A and C
 - (E) Answer not known
128. A number of cell types which can display antigen in a form that can be recognized by T lymphocytes are referred to as
- (A) Interdigitating dendritic cells
 - (B) Langerhans dendritic cells
 - (C) Antigen - presenting cells
 - (D) Interstitial dendritic cells
 - (E) Answer not known

129. Virus slowly increases in concentration during a long preclinical phase leading to progressively lethal disease is called

- (A) Slow infection
- (B) Chronic infection
- (C) Latent infection
- (D) Persistent infection
- (E) Answer not known

130. 'Hairy shaker disease' is caused by which virus

- (A) Lyssa virus
- (B) Pestivirus
- (C) Avula virus
- (D) Lenti virus
- (E) Answer not known

131. Coggins's test is commonly used for screening of _____ disease in equines.

- (A) Equine Infectious Anemia
- (B) Equine Influenza
- (C) African horse sickness
- (D) Equine Viral arteritis
- (E) Answer not known

132. Rabid (Rabies) dogs do not have antibodies development by natural exposure until death due to _____ protein which is responsible to inhibit the development of antibodies. (neutralizing)

- (A) Glyco protein
- (B) Matrix protein
- (C) Nucleo protein
- (D) Phospho protein
- (E) Answer not known

133. Ascoli's test is performed to detect one of the following disease

- (A) Actinomycosis
- (B) Actinobacillosis
- (C) Anthrax
- (D) Anaplasmosis
- (E) Answer not known

134. Strawberry foot rot in sheep is caused by

- (A) Dermatophilus congolensis
- (B) Fusobacterium neurophorum
- (C) Candida albicans
- (D) Arachno bacterium pyogens
- (E) Answer not known

135. 'Saw horse posture' and 'prolapse of third eye lid' are associated with

- (A) Tetanus
- (B) Enterotoxemia
- (C) Botulism
- (D) Polioencephalomalacia
- (E) Answer not known

136. The causative agent for 'lumpy jaw' in cattle is

- (A) Corynebacterium pseudotuberculosis
- (B) Arachanobacterium pyogenes
- (C) Actinomyces bovis
- (D) Actinobacillus lignieresii
- (E) Answer not known

137. Assertion [A] : Miracidium of amphistome prefer young snails for penetration to complete the life cycle.

Reason [R] : Mantle cavity is completely filled with water and pulmonary aperture opened occasionally.

- (A) [A] is true, [R] is false
- (B) [A] is true, and [R] is the correct explanation of [A]
- (C) [A] is false, [R] is true
- (D) [A] is true but [R] is not the correct explanation of [A]
- (E) Answer not known

138. Match the following :

Helminths	Drug of choice
(a) <i>Haemonchus contortus</i>	1. Praziquantel
(b) <i>Gastrophylax crumenifer</i>	2. Anthiomaline
(c) <i>Schistosoma nasale</i>	3. Oxyclozanide
(d) <i>Diphyllobothrium latum</i>	4. Milbemycin oxime
(e) <i>Dirofilaria immitis</i>	5. Albendazole

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

(A) 5 3 2 1 4
(B) 3 1 4 5 2
(C) 4 5 2 1 3
(D) 5 2 3 1 4
(E) Answer not known

139. FAMACHA used for classifying Helminth infected animals into categories based on anaemia is an acronym of

- (A) Factoring AnaeMia in Animals CHArt
 (B) FAffa MAlan CHArt
(C) Faecal egg count and Anaemia MAnagement CHArt
(D) Federal Anaemia MAnagement CHArt
(E) Answer not known

140. A parasite whose egg, larval stage and adult can cause pathogenesis

- (A) *Echinostoma* sp.
(B) *Paragonimus* sp.
(C) *Fasciola* sp.
 (D) *Schistosoma* sp.
(E) Answer not known

141. The most probable sequence of development of a trematode

- (A) Egg-sporocyst-miracidium-redia-cercaria-metacercaria
- (B) Egg-miracidium-sporocyst-redia-cercaria-metacercaria
- (C) Egg-miracidium-redia-sporocyst-cercaria-metacercaria
- (D) Egg-miracidium-sporocyst-redia-metacercaria-cercaria
- (E) Answer not known

142. Assertion [A] : *Echinococcus granulosus* does not produce hydatid cyst in dogs.

Reason [R] : Dog act as definitive host for *Echinococcus granulosus*.

- (A) [A] is true, [R] is false
- (B) Both [A] and [R] are true and [R] is the correct explanation of [A]
- (C) [A] is false, [R] is true
- (D) Both [A] and [R] are true but [R] is not the correct explanation of [A]
- (E) Answer not known

143. Match the following drugs with their groups :

Drugs	Groups
(a) Ivermectin	1. Imidazothiazoles
(b) Albendazole	2. Tetrahydropyrimidines
(c) Praziquantel	3. Macroyclic lactones
(d) Pyrantel pamoate	4. Benzimidazoles
(e) Levamisole	5. Isoquinolones

- (a) (b) (c) (d) (e)
- (A) 3 4 5 2 1
(B) 4 5 3 1 2
(C) 1 2 3 4 5
(D) 5 4 3 2 1
(E) Answer not known

144. Match the following flies with their pathogen transmission :

Flies	Pathogens
(a) <i>Aedes Aegypti</i>	1. <i>Onchocerca gutturosa</i>
(b) <i>Phlebotomus sergenti</i>	2. <i>Trypanosoma evansi</i>
(c) <i>Simulium ornatum</i>	3. <i>Onchocera gibsoni</i>
(d) <i>Culicoides pungens</i>	4. <i>Leishmania tropica</i>
(e) <i>Tabanus striatus</i>	5. <i>Borrelia anserina</i>

- (a) (b) (c) (d) (e)
- (A) 5 4 1 3 2
(B) 4 5 3 1 2
(C) 3 5 4 2 1
(D) 5 4 3 2 1
(E) Answer not known

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

- (A) *Strongylus vulgaris*
- ~~(B)~~ *Paragonimos westermani*
- (C) *Dictyocaulus viviparous*
- (D) *Muellerius capillaris*
- (E) Answer not known

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

- (A) Uninucleated cyst
- (B) Binucleated cyst
- ~~(C)~~ Trophozoite
- ~~(D)~~ Quadrinucleated cyst
- (E) Answer not known

147. Animals that die due to lightning strike show the following characteristic lesion

- (A) Organ rupture
- (B) Post-mortem clots
- ~~(C)~~ Arborescent markings on skin
- (D) Hemorrhages on the brain
- (E) Answer not known

148. Wound caused by a bullet oval nail is known as

- ~~(A)~~ Laceration
- ~~(B)~~ Perforation
- (C) Erosion
- (D) Concussion
- (E) Answer not known

149. (i) Clinical signs are pathognomonic for rabies in wild animals.
(ii) Postmortem and laboratory examination for evidence of lyssa viruses is the only method of definitive diagnosis in animals.
- (A) (i) and (ii) true
(B) (i) and (ii) false
 (C) (i) false and (ii) true
(D) (i) true and (ii) false
(E) Answer not known
150. Which of the following is not correctly paired with its counter part?
- (A) Posthitis – Glans penis
(B) Funiculitis – Spermatic cord
(C) Exostosis – Bone
(D) Hematocele – Tunica vaginalis
(E) Answer not known
151. Match the following :
- | | |
|---------------------|----------------|
| (a) Amyelia | 1. Duramater |
| (b) Amelia | 2. Piamater |
| (c) Pachymenigitis | 3. Spinal cord |
| (d) Leptomeningitis | 4. Limbs |
- (a) (b) (c) (d)
- (A) 3 2 1 4
(B) 3 1 4 2
(C) 1 4 3 2
 (D) 3 4 1 2
(E) Answer not known

152. The given statements are the important cytological features of transmissible venereal tumour.

Which statement is not true to the fact?

1. Tumour cells appears as homogenous round to poly hedral and in uniform sheets.
 2. Nuclear condensation with cytoplasmic brown black pigmentation is prominent.
 3. Cytoplasmic punctate vacuolation is characteristic feature.
 4. Mitotic figures are seen
- (A) 2 and 3 are not true
~~(B)~~ 2 alone is not true
(C) 3 alone is not true
(D) 1, 3 and 4 are not true
(E) Answer not known

153. In pox, inclusion bodies are found in the epithelial cells and are called

- (A) Kocks bodies
(B) Negri bodies
~~(C)~~ Bollinger bodies
(D) Pink bodies
(E) Answer not known

154. Consider the following statements pertaining to third degree of burns in animals. Pick up the unrelated statement.

1. Heat penetrates into the dermis of skin
 2. The fibrillar appearance of the connective tissue of dermis is transformed into amorphous granular mass.
 3. Destruction of deeper tissues like bones, muscles even CNS commonly occurs.
 4. Black discolouration of skin, necrosis of tissue, sloughing of necrosed tissue leaving an ulcer.
- (A) 1 and 2 are unrelated
(B) 3 and 4 are unrelated
~~(C)~~ 3 alone is unrelated
(D) 4 alone is unrelated
(E) Answer not known

155. Caseation in tuberculosis is not observed in

1. Birds
 2. Cows
 3. Wild bisons
 4. Sheep and Goats
- (A) 1, 2, 3, 4 are correct statements
~~(B)~~ 1, 2, 3, 4 are false statements
~~(C)~~ 1 is correct and 2, 3, 4 are false statements
(D) 1, 2, 3 are false statements and 4 is correct
(E) Answer not known

156. Which of the following statements are true with metastatic calcification of soft tissues?

1. Mainly targets the intima and tunica media of vessels
 2. Primary defect is an imbalance in calcium and phosphate concentration in the blood.
 3. Calcified tissues appear black with a special stain Von-Giesons.
 4. Inappropriate elevation of PTH in the circulation is major factor of induction.
- (A) Statements 1, 2, 3 and 4 are true
(B) Statements 1, 2 and 3 are true, 4 is false
 (C) Statements 1, 2 and 4 are true, 3 is false
(D) Statements 2, 3 and 4 are true, 1 is false
(E) Answer not known

157. The predisposing factor for the cause of Aspergillosis in broiler chicks are

1. Inclement weather
 2. Close confinement in damp houses
 3. Too much of sunshine
 4. Smooth floor
- (A) 1 and 2 are correct, 3 and 4 are false
(B) 1, 2, 3 are false, 4 is correct
(C) 3 and 4 are correct, 1 and 2 are false
(D) All 1, 2, 3, 4 are correct statements
(E) Answer not known

158. The following organic compounds are fixed oils except

- (A) Olive oil
- (B) Cod liver oil
- (C) Castor oil
- (D) Thymol
- (E) Answer not known

159. Picrate paper test is used for the diagnosis of

- (A) Cyanide poisoning
- (B) Nitrate poisoning
- (C) Nitrite poisoning
- (D) Lantana camara poisoning
- (E) Answer not known

160. The mucous membrane appears in chocolate brown colour in the following poisoning

- (A) Cyanide
- (B) Nitrite
- (C) Lead
- (D) Mercury
- (E) Answer not known

161. The following chemicals are organochlorine compounds except

- | | |
|---|----------------|
| (A) DDT | (B) Aldrin |
| <input checked="" type="checkbox"/> (C) Malathion | (D) Endosulfan |
| (E) Answer not known | |

162. Gossypol is the toxic principle present in

- (A) Castor bean (B) Ground nut cake
 (C) Cotton seed (D) Ipomoea
(E) Answer not known

163. Consider the following statements about aminoglycosides and choose the right answer :

- (A) Enhanced oral bioavailability
 (B) Tendency to cause kidney damage
(C) Slow induction of resistance
(D) Predominantly active against gram negative organism
(E) Answer not known

164. Reconstituted penicillin should be used in

- (A) 02 days (B) 04 days
(C) 05 days (D) 07 days
(E) Answer not known

165. Which of the statement (s) are correct with respect to pentobarbitone?

- I. Intermediate Acting in dog and cat
II. Short acting in horse and ruminants
III. Has no effect on Horse
IV. Poorly soluble in water
(A) I, II and III are correct
(B) II, III and IV are correct
(C) I and II correct
 (D) I, II and IV are correct
(E) Answer not known

171. Isoxuprine and clenbuterol are categorized under one of the following

- (A) Bronchodilators
- (B) CNS stimulants
- (C) CNS depressants
- (D) Tocolytics
- (E) Answer not known

172. Example of Phase II reactions

- (A) Oxidation
- (B) Reduction
- (C) Hydrolysis
- (D) Methylation
- (E) Answer not known

173. Which drug is used for Oesophageal groove closure?

- (A) Copper sulphate
- (B) Zinc sulphate
- (C) Sodium bicarbonate
- (D) All the above
- (E) Answer not known

174. The study of sources of drugs is called as

- (A) Pharmacognosy
- (B) Pharmacobotany
- (C) Pharmacodynamic
- (D) Pharmacokinetic
- (E) Answer not known

175. Pharmacokinetics refers to all except

- (A) Absorption
- (B) Distribution
- (C) Mechanism of action
- (D) Excretion
- (E) Answer not known

176. Which of the following is incorrectly paired?

- | | |
|-------------|---|
| 1. ED 50 | – The Dose of drug resured to produce a predetermined response is 50% of the amia as the median effective dose. |
| 2. LD 50 | – When death is the response 1 as in lathe toxing studies the ED 50 is called the median lathes Dose |
| 3. Affinity | – Tendency of a drug to combine with particular kind of receptor |
| 4. Agonist | – Drug that posses affinity for a many kind of receptor |
- (A) 1
~~(B)~~ 4
(C) 3
(D) 2
(E) Answer not known

177. Fracture resulting from disease condition is known as

- | | |
|--------------------------------------|--------------------------|
| (A) Spontaneous fracture | (B) Secondary fracture |
| (C) Pathological fracture | (D) Green stick fracture |
| (E) Answer not known | |

178. In plain X-ray, one of the following renal stone does not cast shadow

- | | |
|--------------------------|-------------|
| (A) Uric acid | (B) Oxalate |
| (C) Phosphate | (D) Calcium |
| (E) Answer not known | |

179. The recommended site for epidural anaesthesia in equine is

- (A) Between 1st and 2nd coccygeal vertebrae
- (B) Between 3rd and 4th coccygeal vertebrae
- (C) Last Lumbar and first sacral vertebrae
- (D) Last sacral and first coccygeal vertebrae
- (E) Answer not known

180. A dry gangrene caused by the pressure of the collar on the top of the neck of the horse is called as

- (A) Bed sore
- (B) Saddle gall
- (C) SIF fast
- (D) Yoke gall
- (E) Answer not known

181. Which one of the following gas induces diffusion hypoxia during recovery from anaesthesia?

- (A) Halothane
- (B) Nitrous oxide
- (C) Isoflurane
- (D) Seroflurane
- (E) Answer not known

182. A yellowish white substance formed due to gradual hydrogenation of preexisting fats in a carcass kept in moist condition which has a greasy feel and strong musty odour. The above findings are refers to one of the following.

- (A) Riger mortis
- (B) Putrefaction
- (C) Mummification
- (D) Adipocere
- (E) Answer not known

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

(A) Gizzardectomy (B) Deutectomy
(C) Ingluviotomy (D) Pinioning
(E) Answer not known

184. Membranous obstruction of teat in cattle is called as

(A) Teat polyp (B) Contracted sphincter
(C) Teat spider (D) Milk stone
(E) Answer not known

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

(A) Mummification (B) Putrefaction
(C) Maceration (D) Saponification
(E) Answer not known

186. In condition of ankylosis, atrophy and contraction of the neck muscles of foetus in mares is called

(A) Perosomus elumbis (B) Ring womb
(C) Achondroplasia (D) Wryneck
(E) Answer not known

187. Prostaglandin $F_{2\alpha}$ is the line of treatment for a case of false anoestrus when

- (A) Animal is pregnant
- (B) A dominant follicle is present
- (C) A corpus albicans is present
- ~~(D)~~ A mature corpus luteum is present
- (E) Answer not known

188. Which of the following is incorrectly paired?

- (I) ETT – Embryo Transfer Technology
- (II) IVF – In VIVO Fertilization
- (III) PRID – Progesterone Releasing Intra Vaginal Device.
- (IV) CIDR – Controlled Internal Drug Release Device.
- (A) (I) only
- ~~(B)~~ (II) only
- (C) (III) only
- ~~(D)~~ (IV) only
- (E) Answer not known

189. Match correctly the average ejaculate volume of semen by different farm animals (in ml) are :

- | | |
|------------|--------|
| (a) Cattle | 1. 125 |
| (b) Sheep | 2. 215 |
| (c) Horse | 3. 1 |
| (d) Pig | 4. 5-8 |

- | | (a) | (b) | (c) | (d) |
|----------------|------------------|-----|-----|-----|
| (A) | 4 | 1 | 2 | 3 |
| (B) | 3 | 4 | 2 | 1 |
| (C) | 4 | 3 | 1 | 2 |
| (D) | 2 | 3 | 1 | 4 |
| (E) | Answer not known | | | |

190. The inner temperature of the artificial vagina should be in between

(A) 40°C to 42°C (B) 42°C to 46°C
(C) 50°C to 55°C (D) 37°C to 40°C
(E) Answer not known

191. The gloved hand method of semen collection is commonly practical in

(A) Boar (B) Bull
(C) Stallion (D) Dog
(E) Answer not known

192. The Leydig cells are stimulated to secrete androgen by

(A) Follicle Stimulating Hormone (FSH)
(B) Androgen Binding Protein (ABP)
(C) Inhibin
(D) Lutenizing Hormone (LH)
(E) Answer not known

193. Winking of clitoris is a characteristic sign of estrus in

(A) Sow
(B) Cow
(C) Mare
(D) Cat
(E) Answer not known

194. In boars, the gel like consistency of seminal plasma is due to

- (A) Highly viscous vesicular gland secretion
- (B) High chloride content of prostate secretion
- (C) High ergothioneine content of ampullary secretion
- (D) High sialomucin concentration of cowper's gland secretion
- (E) Answer not known

195. Pulmonary emboli is an example for one of the following

- (A) Cardiogenic shock
- (B) Hypovolemic shock
- (C) Distributive shock
- (D) Anaphylactic shock
- (E) Answer not known

196. Lactation Tetany in ruminants is due to

- (A) Hypo calcemia
- (B) Hypo glycemia
- (C) Hypo natremia
- (D) Hypo magnesemia
- (E) Answer not known

197. Post-coital pyometra is noticed in

- (A) Trichomoniasis
- (B) Vibriosis
- (C) Brucellosis
- (D) IBRT
- (E) Answer not known

198. The term 'Blind Staggers' is associated with one of the following mineral toxicity
- (A) Copper
 - (B) Molybdenum
 - (C) Selenium
 - (D) Chromium
 - (E) Answer not known
199. In normal dogs, daily urine output is about
- (A) 45 ml/kg/24hr
 - (B) 100 ml/kg/24hr
 - (C) 10 ml/kg/1hr
 - (D) 5-10 ml/kg/hr
 - (E) Answer not known
200. In the differential diagnosis of wasting form of bovine keratosis, which of the below is incorrect?
- (A) Primary indigestion
 - (B) Abomasal displacement
 - (C) Traumatic Reticulitis
 - (D) Rabies and Hypomagnesemia
 - (E) Answer not known



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