

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

SCREENING TEST-2012

VETERINARY ASSTT. SURGEON

Serial No.

000187



Time Allowed : Two Hours

Maximum Marks : 120

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE RESPONSE SHEET.
3. You, have to enter your Roll Number on this Test Booklet in the box provided alongside. Your Roll No.
DO NOT write *anything* else on the Test Booklet.
4. This booklet contains 120 items (questions). Each item comprises *four* responses (answers). You will select *one* response which you want to mark on the Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. In case you find any discrepancy in this test booklet in any question(s) or the Responses, a written representation explaining the details of such alleged discrepancy, be submitted within three days, indicating the Question No(s) and the Test Booklet Series, in which the discrepancy is alleged. Representation not received within time shall not be entertained at all.
6. You have to mark all your responses **ONLY** on the separate Response Sheet provided. See directions in the Response Sheet.
7. All items carry equal marks. Attempt **ALL** items. Your total marks will depend only on the number of correct responses marked by you in the Response Sheet.
8. Before you proceed to mark in the Response Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Response Sheet as per instructions sent to you with your Admit Card and Instructions.
9. While writing Centre, Subject and Roll No. on the top of the Response Sheet in appropriate boxes use **"ONLY BALL POINT PEN"**.
10. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator only the Response Sheet. You are permitted to take away with you the Test Booklet.

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SEAL

1. Normal range of temperature of cow is :
(A) 97–99° F (B) 99–101°F
(C) 103–105°F (D) 107°F
2. Which mineral plays important role in nucleotide formation ?
(A) Ca (B) Mg
(C) Se (D) P
3. Bacteriological fermentation of herbage in monogastric animals takes place in :
(A) Duodenum (B) Ileum
(C) Caecum (D) Colon
4. Castrated male horse is known as :
(A) Bullock (B) Wedder
(C) Steer (D) Gelding
5. Which animal contributes maximum milk production in Haryana and Punjab ?
(A) Cow (B) Buffalo
(C) Goat (D) Sheep
6. Which animal gives maximum semen volume in one ejaculate ?
(A) Horse (B) Boar
(C) Bullock (D) Dog
7. How many millions of sperms are contained in one ml of semen ejaculate of bull ?
(A) 1100 (B) 1300
(C) 1500 (D) 1800
8. Percentage of viable sperms per ejaculate in boar is :
(A) 50% (B) 60%
(C) 70% (D) 80%
9. Semen collection frequency of cattle (times per week) is :
(A) 1 (B) 3
(C) 5 (D) 7

10. Per capita consumption of meat (gms) in India is :
- (A) 110 (B) 200
(C) 240 (D) 300
11. Rank of India in the world in egg production is :
- (A) 12 (B) 22
(C) 42 (D) 5
12. Contribution of livestock to National economy, through milk and milk products is :
- (A) 50% (B) 70%
(C) 90% (D) 80%
13. Mixed farming incorporates which of the following :
- (A) Crop production (B) Animal production
(C) Both (A) and (B) (D) Mixed crop production
14. Regulated unit of genetic engineering is :
- (A) Operator Gene (B) Promotor Gene
(C) Regulator Gene (D) Operon
15. Enzyme useful in genetic engineering is :
- (A) Lipase (B) DNAase
(C) Restriction endonuclease (D) Amylase
16. Which is an example of chemical mutagen ?
- (A) Mustard gas (B) Nitrous acid
(C) Morphine (D) All of the above
17. Smallest segment of genetic material affected by mutation is :
- (A) Recon (B) Cistron
(C) Muton (D) Exon
18. Hybridomas are result of fusion of :
- (A) Normal antibody producing cells with Myeloma cells
(B) Abnormal antibody producing cells with Myeloma cells
(C) Male reproductive cell with Myeloma cells
(D) Female reproductive cells with Myeloma cells

19. Cross-breeding increases :
(A) Vigour (B) Breeding merit
(C) Both (A) and (B) (D) None
20. Which breed of cattle is known as milch breed ?
(A) Kankrej (B) Haryana
(C) Gir (D) Amrit Mahal
21. A new breed can be evolved by :
(A) Grading up (B) Out crossing
(C) Cross-breeding (D) Inbreeding
22. For better shelf-life, the cured meat and meat products should be :
(A) Vacuum packaged or inert gas atmosphere packaged
(B) Packaged in oxygen atmosphere
(C) Packaged in natural atmosphere
(D) None of the above
23. The basic intention of food regulation is to :
(A) Prevent fraud (B) Protect public health
(C) Both (A) and (B) (D) None of the above
24. Chilling of milk is done at temperature :
(A) 10°C (B) 4°C
(C) 0°C (D) 7°C
25. Major constituent of egg albumen is :
(A) Carbohydrate (B) Fat
(C) Protein (D) Calcium

26. Which of the following does not have any social taboo ?
- (A) Pig meat (B) Bovine meat
(C) Horse meat (D) Chicken meat
27. The vitamin which helps in coagulation of blood is
- (A) Vit. D (B) Vit. K
(C) Vit. A (D) Vit. E
28. "Curled toe paralysis" in chicks is due to deficiency of:
- (A) Pyridoxine (B) Riboflavin
(C) Pantothenic Acid (D) Biotin
29. Grass tetany in cattle is due to deficiency of:
- (A) Manganese (B) Copper
(C) Magnesium (D) Calcium
30. The deficiency of manganese in poultry causes :
- (A) Osteoporosis (B) Perosis
(C) Pica (D) Dermatitis
31. "Parakeratosis" in swine is due to deficiency of:
- (A) Sodium (B) Zinc
(C) Calcium (D) Cobalt
32. "Pica" in cows is due to the deficiency of:
- (A) Protein (B) Calcium
(C) Phosphorus (D) Energy
33. The "antirachitic factor" is :
- (A) Vitamin A (B) Vitamin D
(C) Vitamin C (D) Vitamin B

34. The "piglet anaemia" is due to deficiency of:
(A) Cobalt (B) Iron
(C) Phosphorus (D) Copper

35. Excess of molybdenum in the diet causes deficiency of:
(A) Zinc (B) Copper
(C) Iron (D) Sodium

36. Hormone for Lactogenesis is:
(A) Estrogen (B) Progesterone
(C) Prolactin (D) All of the above

37. Which method of milking should be avoided?
(A) Full hand milking (B) Stripping
(C) Machine milking (D) Knuckling

38. Standard fat percentage in double toned milk is:
(A) 3 (B) 2
(C) 1.5 (D) 2.5

39. Bacteriological status of milk is judged by:
(A) Reductase test (B) MBR test
(C) Alizarine test (D) Catalase test

40. Krishi Vigyan Kendra's are sponsored by:
(A) U.G.C. (B) IARI
(C) ICAR (D) State Govts.

41. Best dairy breed of cattle in India is:
(A) Haryana (B) Red Sindhi
(C) Sahiwal (D) Tharparkar

42. Glanders and Farcy Act is of the year :
- (A) 1899 (B) 1999
(C) 1889 (D) None of the above
43. Bestiality is punishable under which section of IPC :
- (A) 93 (B) 377
(C) 415 (D) 429
44. Gid is caused by :
- (A) Flukes (B) Taenia multiceps
(C) Ascaris (D) Hookworms
45. Strauss test is used for diagnosis of :
- (A) Glanders (B) Anthrax
(C) Leptospirosis (D) Tuberculosis
46. "The Prevention of Cruelty to Animals Act-1960" does not apply to :
- (A) J & K State (B) Assam
(C) Himachal Pradesh (D) Kerala
47. "Zebra markings" in large intestine are typical of :
- (A) Foot and Mouth disease (B) Rinderpest
(C) Tuberculosis (D) Paratuberculosis
48. The most potent aflatoxin is :
- (A) G1 (B) G2
(C) B1 (D) B2
49. A drug of choice in treatment of giardiasis in dog is :
- (A) Furazolidone (B) Metronidazole
(C) Cephalixin (D) Gentamycin

50. Water intoxication is common in :
(A) Lambs (B) Piglets
(C) Kids (D) Calves
51. Ivermectin is used against :
(A) Ascariasis (B) Hookworms
(C) Strongyle (D) All of the above
52. Piperazine is the drug of choice against :
(A) Ascariasis (B) Hookworms
(C) Strongyle (D) Lung fluke
53. The most efficient method of acaricide against ectoparasites in sheep is :
(A) Spray (B) Dusting
(C) Dipping (D) Pour on
54. Ticks are controlled by :
(A) Acaricides (B) Burning of Pastures
(C) Tick Vaccine and Biological Control (D) All of the above
55. Mite occurring in hair follicle is :
(A) Demodex (B) Demanyssus
(C) Sarcoptes (D) Psoroptes
56. Vitamin E deficiency in poultry produces :
(A) Encephalomalacia (B) Muscular dystrophy
(C) Exudative diathesis (D) All of the above
57. In January 2008, bird flu in West Bengal was caused by virus :
(A) H5N2 (B) H7N2
(C) H1N7 (D) H5N1

58. Urinary bladder is absent in :
(A) Ox (B) Dog
(C) Fowl (D) Horse
59. Guttural pouch is found in :
(A) Cow (B) Dog
(C) Fowl (D) Horse
60. "Mad cow disease" is caused by :
(A) Rabies virus (B) Mycoplasma
(C) Chlamydia (D) None of the above
61. Which of the following is not a European Country ?
(A) Finland (B) Poland
(C) Algeria (D) Italy
62. What is Pakistan's National Animal ?
(A) Pig (B) Markhor
(C) Lion (D) Deer
63. The first Dairy Science College in India was established in ?
(A) Gujarat (B) Haryana
(C) Punjab (D) Rajasthan
64. India celebrates Urdu Day on ?
(A) November 19th (B) October 9th
(C) October 19th (D) November 9th
65. The Animal Welfare Board of India set up in 1962 has headquarters at :
(A) Chennai (B) Gujarat
(C) New Delhi (D) Ludhiana

66. Why Zakia Eshan Jafri was in news ?
- (A) Fighting for allowing the plea of mercy killing
 (B) Being a petitioner in fake encounter case in which Supreme Court ordered CBI investigation
 (C) For launching crusade against cruelty against animals
 (D) It was on her petition, Supreme Court formed a special investigation team to investigate the Gujarat riot cases.
67. Justice Ranjana Desai is the ___ woman judge elevated to the Supreme Court of India.
- (A) 4th (B) 5th
 (C) 6th (D) 7th
68. Which Article of the Constitution deals with protection and improvement of environment and safeguarding of forests and wildlife ?
- (A) Art 48-A (B) Article 49A
 (C) Article 51A (D) Art 47
69. ASHA is a scheme providing for :
- (A) Clean environment (B) Animal protection
 (C) Clean water (D) Health service
70. Right to free and compulsory education under Article 21A is meant for children of the age group :
- (A) 6 to 14 years (B) 7 to 14 years
 (C) 5 to 12 years (D) 5 to 16 years
71. Temporary storage space on chips in a computer is known as :
- (A) CPU (B) ROM
 (C) RAM (D) URL
72. Which of the following is NOT a member of BRICS, an international political organisation of leading emerging economies ?
- (A) Bhutan (B) Brazil
 (C) India (D) China

73. In which of the following states Assembly elections were not held in 2012 ?
- (A) Punjab (B) Uttarakhand
(C) Uttar Pradesh (D) Pondicherry
74. Balwant Singh Rajoana was in news recently because :
- (A) He has been awarded Punjab Rattan by the Punjab Govt.
(B) He won the recent Assembly Election
(C) He was awarded death sentence for killing Beant Singh, a former CM of Punjab
(D) He was directed to appear before the Akal Takht
75. Greenhouse Effect is caused by high level of:
- (A) Fog, smoke and oxidants (B) Carbon dioxide and Methane
(C) Carbon dioxide (D) Carbon and aromatic hydrocarbons
76. Which of the following animals uses its skin to the maximum for breathing ?
- (A) Plaice (B) Eel
(C) Big Brown bat (D) Adult Bull frog
77. Which of the following creatures can neither see nor hear ?
- (A) Cockroach (B) Earthworm
(C) Ant (D) Bat
78. AGMARK is ?
- (A) A co-operative society for egg production
(B) Regulatory body for agricultural market
(C) An association of poultry farmers
(D) A quality guarantee stamp for commodities like eggs, ghee etc
79. Bats search out prey and fly in dark night by :
- (A) emitting and detecting reflection of ultrasonic wave
(B) emitting and detecting refraction of ultrasonic wave
(C) emitting and detecting reflection of infrasonic wave
(D) all of these

90. Which type of cell division is important for Animal Kingdom ?
(A) Mitosis (B) Meosis
(C) Both (A) and (B) (D) None of the above

91. As inbreeding progresses, proportion of heterozygote will :
(A) Increase (B) Decrease
(C) Both (D) None

92. The offspring of cross between jack and a mare is called :
(A) Hinny (B) Mule
(C) Yak (D) All of the above

93. Cow's milk is deficient in :
(A) Vitamin A (B) Iron
(C) Calcium (D) All of the above

94. In dry fodder, crude fibre constant ranges from :
(A) 8-10% (B) 5-15%
(C) 10-15% (D) 18% and above

95. The highest protein is found in :
(A) Maize (B) Jawar
(C) Guar (D) Gram

96. The ovarian hormones are :
(A) L.H., F.S.H., Prolactin (B) Estrogen, Progesterone and Relaxin
(C) GnRH and PMSG (D) Prostaglandin and ACTH

97. In the linked genes, recombinant gametes are :
(A) More than 50% (B) 50%
(C) Less than 50% (D) None of the above

98. The semen volume of bull per ejaculate ranges from :
(A) 10 to 15 ml (B) 20 to 40 ml
(C) 5 to 12 ml (D) 75 to 100 ml

80. Which of the following Indian State has officially changed its name in November 2011 ?

- (A) Orissa (B) Chattisgarh
(C) Jharkhand (D) Kerala

81. Veterinary and Animal Science Programmes bring about :

- (A) Social change (B) Economic change
(C) Both (A) and (B) (D) None

82. The Gestation period in cow is :

- (A) 281 days (B) 337 days
(C) 240 days (D) 300 days

83. The thawing time of frozen bull semen is :

- (A) 30 seconds (B) 30 minutes
(C) 3 seconds (D) 3 minutes

84. The frozen semen is kept in :

- (A) Liquid nitrogen (B) Liquid helium
(C) Dry Carbon-dioxide (D) Ice

85. I.V.R.I. is located at :

- (A) Mumbai (B) Pantnagar
(C) Izatnagar (D) Karnal

86. An ideal animal slaughter house requires :

- (A) Good ventilation and water supply (B) Non-slippery floor
(C) Proper drainage (D) All of the above

87. The heaviest Indian cattle breed is :

- (A) Rathi (B) Ongole
(C) Sahiwal (D) Kankrej

88. The gestation period of buffalo is :

- (A) 390 days (B) 365 days
(C) 307 days (D) 372 days

89. Buffalo species having 48 chromosomes is known as :

- (A) River buffalo (B) Water buffalo
(C) African buffalo (D) Swamp buffalo

99. Which type of mating should be preferred for the improvement of non-descript animals ?
(A) Inbreeding (B) Line breeding
(C) Upgrading (D) All of the above
100. Phenotype reflects genotype more precisely when heritability is :
(A) Low (B) High
(C) Medium (D) All of the above
101. The parturition in bitch is known as :
(A) Puppies (B) Whelping
(C) Farrowing (D) Both (A) and (B)
102. Milk production in cows is an example of :
(A) Sex linked Inheritance (B) Sex Influenced Inheritance
(C) Sex limited Inheritance (D) None of the above
103. The chief energy source of cattle ration is :
(A) Protein (B) Carbohydrate
(C) Minerals (D) Vitamins
104. The gestation period of the camel is :
(A) 9 months (B) 10 months
(C) 24 months (D) 13 months
105. The best crop for silage making is :
(A) Maize (B) Oats
(C) Lucerne (D) All of the above
106. The fish meal is commonly used in the ration of :
(A) Dairy cows (B) Poultry
(C) Sheep (D) Camel
107. The normal gestation period in bitch is :
(A) 90 days (B) 120 days
(C) 62 days (D) 75 days

108. Spermatogenesis takes place in :

- (A) Ovary
- (B) Placenta
- (C) Kidney
- (D) Testes

109. Which of the following is posterior pituitary hormone ?

- (A) Thyroxin
- (B) ACTH
- (C) Relaxin
- (D) Oxytocin

110. Water regulating hormone is :

- (A) TSH
- (B) ACTH
- (C) LH
- (D) ADH

111. Cooperative Societies are maximum in which state :

- (A) Gujarat
- (B) Punjab
- (C) Haryana
- (D) Rajasthan

112. Most wool producing state of India is :

- (A) Bihar
- (B) Gujarat
- (C) Punjab
- (D) Rajasthan

113. Sudden heritable change is :

- (A) Epistasis
- (B) Mutation
- (C) Chromosomal aberration
- (D) None of the above

114. Inbreeding coefficient measures :

- (A) Heterozygosity
- (B) Homozygosity
- (C) Cross-breeding
- (D) None of the above

115. Closely related mating is :

- (A) Inbreeding
- (B) Outbreeding
- (C) Cross-breeding
- (D) None of the above

116. Central Avian Research Institute is situated at :

- (A) Mukteswar
- (B) Delhi
- (C) Bareilly
- (D) Nagpur

117. Corriedale sheep is native breed of:

(A) Australia

(B) Britain

(C) Switzerland

(D) New Zealand

118. Home tract of Nili-Ravi is:

(A) Rajasthan

(B) Gujarat

(C) Punjab

(D) Maharashtra

119. Which of the following vitamins is not of vegetable origin?

(A) Vit. A

(B) Vit. C

(C) Vit. B

(D) Vit. D

120. Milk fever is due to deficiency of:

(A) Mg

(B) Co

(C) Ca

(D) Na