

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

Subject Code :

0 4

Test Booklet No. : 00463

TEST BOOKLET

ANIMAL HUSBANDRY & VETERINARY SCIENCE

Time Allowed : 2 (Two) Hours

Full Marks : 200

INSTRUCTIONS

1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
2. **Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.**
3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the time-keeper and his/her decision in this regard is final.
5. No candidate shall leave the Examination Hall/Room without prior permission of the Supervisor/Invigilator. No candidate shall be permitted to hand over his/her Answer Sheet and leave the Examination Hall/Room before expiry of the full time allotted for each paper.
6. No Mobile Phone, Pager, etc., are allowed to be carried inside the Examination Hall/Room by the candidates. Any Mobile Phone, Pager, etc., found in possession of the candidate inside the Examination Hall/Room, even if on off mode, shall be liable for confiscation.
7. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected paper permitted by the Commission.
8. Complete silence must be observed in the Examination Hall/Room. No candidate shall copy from the paper of any other candidate, or permit his/her own paper to be copied, or give, or attempt to give, or obtain, or attempt to obtain irregular assistance of any kind.
9. After you have completed filling in all your responses on the Answer Sheet and the Examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
10. Violation of any of the above Rules will render the candidate liable to expulsion from the Examination Hall/Room and disqualification from the Examination, and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and Interviews conducted by the Commission for appointment to Government Service.
11. Smoking inside the Examination Hall/Room is strictly prohibited.
12. **This Test Booklet contains one sheet (two pages) for Rough Work at the end.**

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[No. of Questions : 100]

SEAL

CCE(P)-2015
ANIMAL HUSBANDRY & VETERINARY SCIENCE

1. The best breed of buffalo for milk production is
- (A) Murrah
(B) Surti
(C) Nagpuri
(D) Jaffarbadi
2. Gestation period of goat is
- (A) 145 days
(B) 60 days
(C) 280 days
(D) 114 days
3. Central Institute for Research on Buffaloes was established in 1984 at
- (A) Karnal
(B) Izatnagar
(C) Hissar
(D) Jabalpur
4. The act of mating in pig is called
- (A) serving
(B) coupling
(C) tugging
(D) None of the above
5. The pH of normal cow milk is
- (A) 7.8
(B) 7.6
(C) 4.2
(D) 6.6
6. The first disease where a bacterial vaccine was developed is
- (A) tetanus
(B) haemorrhagic septicemia
(C) anthrax
(D) tuberculosis
7. The normal Ca : P ratio in the blood of animal is
- (A) 1 : 2
(B) 2 : 1
(C) 3 : 1
(D) 4 : 1
8. Milk is generally pasteurized at temperature
- (A) 63 °C for 30 minutes
(B) 72 °C for 30 minutes
(C) 60 °C for 45 minutes
(D) 65 °C for 30 seconds

9. Colostrum is coagulated when it is boiling due to presence of high amount of
- fat
 - lactose
 - protein
 - mineral
10. Feathered shank is the characteristic feature of the breed of
- American class
 - English class
 - Asiatic class
 - Mediterranean class
11. In broiler breeding, the male line is usually taken from
- RIR
 - Australorp
 - Cornish
 - White Leghorn
12. In deep litter system of rearing, the floor space requirement per broiler is
- 1.0 sq ft
 - 2.0 sq ft
 - 3.0 sq ft
 - 4.0 sq ft
13. The daily food consumption per adult layer chicken is
- 200 gm
 - 110 gm
 - 250 gm
 - 50 gm
14. Ground limestone is used in the ration of poultry as a source of
- iron
 - sodium
 - calcium
 - phosphorus
15. Subabool (*Leucaena leucocephala*) is known to contain a toxic factor
- solanine
 - mimosine
 - linamarin
 - cadaverine
16. A shift from a high-roughage ration to a high-grain ration increases proportion of
- acetic acid
 - butyric acid
 - lactic acid
 - propionic acid

17. Natural pastures are the grasslands which are mainly found in

- (A) forest region
- (B) plain region
- (C) hilly region
- (D) None of the above

18. The leguminous fodder falls under the group of

- (A) maintenance type roughage
- (B) non-maintenance type roughage
- (C) productive type roughage
- (D) non-productive type roughage

19. Which of the following leguminous fodders is cultivated for dual purpose i.e., for grain and fodder?

- (A) Cowpea
- (B) Lucerne
- (C) Berseem
- (D) Indian clover

20. Feeding of fish meal in the non-ruminant ration is mainly done to provide

- (A) arginine
- (B) lysine
- (C) methionine
- (D) choline

21. Which of the following fodders is known as perennial fodder?

- (A) Sorghum
- (B) Reena
- (C) Napier
- (D) Maize

22. Progeny testing is relatively more effective when heritability is

- (A) low
- (B) high
- (C) medium
- (D) None of the above

23. Threshold characters are controlled by

- (A) single recessive gene
- (B) only one pair of genes
- (C) many genes
- (D) None of the above

24. Y-linked genes inherit directly from

- (A) male to male
- (B) male to female
- (C) female to female
- (D) female to male

25. Individuals, which have one parent in common, are known as
- full-sibs
 - half-sibs
 - first cousins
 - second cousins
26. Diploid number of chromosome in chicken (*Gallus domesticus*) is
- 76
 - 78
 - 74
 - 72
27. Cytoplasmic inheritance can be determined with the help of
- testcross
 - backcross
 - reciprocal cross
 - topcross
28. A castrated male chicken is called
- pullet
 - hen
 - cock
 - capon
29. Most of the glycogen in animal body is present in
- lung
 - liver
 - kidney
 - heart
30. Mulberry heart disease in pig is related with the deficiency of which vitamin?
- Riboflavin
 - Thiamine
 - Vitamin E
 - Vitamin A
31. The type of nephritis caused by ascending route of infection is
- pyelonephritis
 - glomerulonephritis
 - interstitial nephritis
 - embolic nephritis
32. Which animal, infected with rabies, does not develop clinical disease?
- Fox
 - Mink
 - Mouse
 - Vampire bat

33. The important lesions in FMD in calves
- (A) Myocarditis
 - (B) Gastroenteritis
 - (C) Pneumonia
 - (D) Hepatitis
34. Excessive feeding of urea in bovine may cause
- (A) acidosis
 - (B) alkalosis
 - (C) ascites
 - (D) nephrosis
35. For improving health status of livestock, emphasis must be given to
- (A) primary prevention
 - (B) selective slaughter
 - (C) mass treatment
 - (D) All of the above
36. 'Sawhorse posture' is seen in
- (A) enterotoxaemia
 - (B) blackleg
 - (C) tetanus
 - (D) botulism
37. Which of the following poultry diseases is a self-limiting disease?
- (A) Fowlpox
 - (B) Coccidiosis
 - (C) Ascariasis
 - (D) Ranikhet disease
38. 'Swamp fever' is otherwise known as
- (A) haemorrhagic septicemia
 - (B) anthrax
 - (C) equine infectious anaemia
 - (D) swine fever

39. Button ulcers near the ileocecal valve in pig is a pathognomonic lesion of

- (A) vitamin A deficiency
- (B) swinepox
- (C) swine fever
- (D) equine infectious anaemia

40. Enlargement of brachial, sciatic and visceral nerves with loss of striations in chicken is associated with

- (A) Ranikhet disease
- (B) avian leukosis complex
- (C) Marek's disease
- (D) fowlpox

41. An animal harbouring and excreting pathogenic microorganisms without manifesting symptoms of disease is called

- (A) reservoir
- (B) sentinel
- (C) holder
- (D) carrier

42. Darling's disease refers to

- (A) cryptococcosis
- (B) histoplasmosis
- (C) leishmaniasis
- (D) toxoplasmosis

43. Goose stepping gait in pig is observed due to deficiency of

- (A) nicotinic acid
- (B) pyrodoxine
- (C) riboflavin
- (D) pantothenic acid

44. ABR antigen is used for diagnosis of

- (A) rabies
- (B) mastitis
- (C) tuberculosis
- (D) brucellosis

45. *Brucella abortus* strain 19 vaccine is given at the age of
- (A) 1-4 month(s)
 - (B) 2-4 weeks
 - (C) 4-6 weeks
 - (D) 4-6 months
46. Marek's disease vaccine is given at the age of
- (A) 1 day
 - (B) 4-6 days
 - (C) 4-5 weeks
 - (D) 5-6 weeks
47. Which one of the following diseases is caused by prion?
- (A) Bovine rabies
 - (B) Bovine pseudorabies
 - (C) Mad cow disease
 - (D) Ephemeral fever
48. Hydatid disease falls under the classification of
- (A) direct zoonosis
 - (B) cyclozoonosis
 - (C) metazoonosis
 - (D) saproozoonosis
49. Which of the following diseases is not a zoonotic disease?
- (A) Brucellosis
 - (B) Anthrax
 - (C) Tuberculosis
 - (D) Blackleg
50. Tuberculosis in pig is caused by
- (A) bovine strain
 - (B) human strain
 - (C) avian strain
 - (D) All of the above
51. Which of the following antibiotics is contraindicated in young animals below one-year old?
- (A) Ampicillin
 - (B) Penicillin
 - (C) Tetracycline
 - (D) Enrofloxacin
52. Uterus of a pig is
- (A) bicornuate
 - (B) bipartite
 - (C) tripartite
 - (D) diffuse

53. Sterility in cows indicates

- (A) inability to produce a calf at every 2 years
- (B) absolute inability of production of calf
- (C) reduced degree of fertility
- (D) production of calf at 12-13 months, intervals

54. Site of deposition of semen in artificial insemination in a cow is

- (A) anterior part of the vagina
- (B) vestibule
- (C) anterior part of the cervix
- (D) None of the above

55. The length of the estrus cycle in cow is

- (A) 21-22 days
- (B) 28 days
- (C) 30 days
- (D) 6-8 days

56. Freemartin is related to

- (A) sterile
- (B) infertile
- (C) fertile heifer
- (D) All of the above

57. Expulsion of the full-term dead foetus is called

- (A) stillbirth
- (B) abortion
- (C) dystocia
- (D) mummification

58. The ideal time to inseminate the cow is

- (A) at the beginning of estrus
- (B) after the end of estrus
- (C) third day of estrus
- (D) mid to end of the estrus

59. Abortion in last trimester of pregnancy in cattle is caused by

- (A) trichomoniasis
- (B) IBR infection
- (C) BVD infection
- (D) brucella infection

60. Frozen semen is preserved in liquid nitrogen in stainless steel container at temperature

- (A) -196°C
- (B) -79°C
- (C) -180°C
- (D) -160°C

61. Drug of choice for the treatment of acute fascioliasis in sheep and cattle is
- (A) oxyclozanide
 - (B) albendazole
 - (C) pyrantel embonate
 - (D) triclabendazole
62. *Coenurus cerebralis* is the intermediate stage of the tapeworm
- (A) *Taenia saginata*
 - (B) *T. solium*
 - (C) *T. multiceps*
 - (D) *E. granulosus*
63. Milk withdrawal period in cattle after administration of benzimidazole as anthelmintic is
- (A) 24 hours
 - (B) 72 hours
 - (C) 120 hours
 - (D) 12 hours
64. Praziquantel is the drug of choice against
- (A) roundworm
 - (B) fluke
 - (C) tapeworm
 - (D) lungworm
65. The 'Koch's blue bodies' are pathognomonic of
- (A) anaplasmosis
 - (B) babesiosis
 - (C) theileriasis
 - (D) coccidiosis
66. *Spirocerca lupi* is commonly known as
- (A) stomach fluke
 - (B) tracheal worm
 - (C) oesophageal worm
 - (D) lungworm
67. Presence of parasites on the body surface of the host is known as
- (A) infection
 - (B) contamination
 - (C) inflammation
 - (D) infestation
68. Antidote for warfarin toxicity is
- (A) sodium thiosulphate
 - (B) vitamin K
 - (C) 2% methylene blue
 - (D) Ca-EDTA

69. Administration of morphine is contraindicated in

- (A) horse
- (B) dog
- (C) cat
- (D) rabbit

70. Which of the following drugs is used as reversal drug (antagonist) of xylazine?

- (A) Medetomidine
- (B) Ketamine
- (C) Acepromazine
- (D) Yohimbine

71. For immobilization of captive wild animals, combination of drugs are used to

- (A) increase margin of safety
- (B) induce rapid immobilization
- (C) reduce chance of toxicity
- (D) All of the above

72. The Wildlife Protection Act was passed in

- (A) 1972
- (B) 1978
- (C) 1992
- (D) 1910

73. Tuskless male elephant is known as

- (A) Koonkie
- (B) Makhna
- (C) Dhui
- (D) Dental

74. The largest deer species found in India is

- (A) Sambar
- (B) Hog deer
- (C) Spotted deer
- (D) Barasingha

75. Gastric myiasis in elephant is caused by

- (A) nematodes
- (B) cestodes
- (C) trematodes
- (D) ectoparasites

76. Horner's syndrome occurs in

- (A) nose
- (B) throat
- (C) eye
- (D) ear

77. The antidote to lead poisoning is
- (A) sodium thiosulphate
 - (B) pralidoxime
 - (C) Ca-EDTA
 - (D) dexamethasone
78. Animal disease shared naturally by man is known as
- (A) anthroozoonosis
 - (B) zooanthroponosis
 - (C) saproozoonoses
 - (D) parazoonoses
79. Measly pork is a pork infected with the larval forms of tapeworm
- (A) *Taenia saginata*
 - (B) *T. solium*
 - (C) *T. multiceps*
 - (D) *E. granulosus*
80. The main disadvantage of artificial insemination is
- (A) that it requires special facilities
 - (B) lack of skilled persons
 - (C) fast spread of genetic abnormalities
 - (D) loss of embryo
81. Which one of the following vitamins is also known as antianemic factor?
- (A) Vitamin B₁
 - (B) Vitamin B₂
 - (C) Vitamin B₁₂
 - (D) Vitamin B₆
82. Study of animal behaviour is termed as
- (A) ethology
 - (B) ornithology
 - (C) ecology
 - (D) epidemiology
83. Necrotizing myositis is commonly observed in
- (A) actinomycosis
 - (B) toxoplasmosis
 - (C) glanders
 - (D) blackquarter
84. The dual-purpose breed of chicken is
- (A) Australorp
 - (B) New Hampshire
 - (C) Leghorn
 - (D) Plymouth

85. The optimum temperature required in hatching of chicken egg is

- (A) 37°C
- (B) 38°C
- (C) 39°C
- (D) 40°C

86. Facillary enter diarrhoea in poultry is caused by

- (A) *E. gallinarum*
- (B) *E. coli*
- (C) *Salmonella* spp.
- (D) *Campylobacter*

87. The White Campbell breed of duck originated in the

- (A) USA
- (B) England
- (C) India
- (D) Australia

88. Landrace breed of pig originated in

- (A) USA
- (B) Denmark
- (C) Germany
- (D) France

89. Mule is the cross between

- (A) stallion and female zebra
- (B) male horse and female ass
- (C) male ass and female horse
- (D) yak and cow

90. Which breed of goat is used for carrying luggage/pack in the hilly places?

- (A) Chegu
- (B) Pashmina
- (C) Beetal
- (D) Gaddi

91. The young one of pigeon is called

- (A) squab
- (B) chick
- (C) poult
- (D) tom

92. Drycow therapy is done

- (A) in the beginning of lactation
- (B) after parturition
- (C) towards the end of the lactation
- (D) in dry period

93. Piglet anaemia occurs due to the deficiency of
- (A) iodine
 - (B) iron
 - (C) copper
 - (D) magnesium
94. 'Jagsiekte' is a disease of
- (A) cattle
 - (B) horse
 - (C) sheep
 - (D) dog
95. Castration of male calves by bloodless method is done at the age of
- (A) 2-4 months
 - (B) 4-6 months
 - (C) 7-9 months
 - (D) 8-12 months
96. Jugular pulsation is observed in
- (A) tympanites
 - (B) cystitis
 - (C) pericarditis
 - (D) nephritis
97. Headquarters of OIE is in
- (A) Paris
 - (B) Geneva
 - (C) New York
 - (D) USA
98. The colostrum secreted by a healthy cow is rich in vitamin
- (A) A
 - (B) B₁
 - (C) B₂
 - (D) C
99. Depigmentation of hair and wool occurs in sheep due to the deficiency of
- (A) copper
 - (B) cobalt
 - (C) iron
 - (D) magnesium
100. 'World Veterinary Day' is celebrated on
- (A) 1st Saturday of March
 - (B) 2nd Saturday of February
 - (C) Last Saturday of April
 - (D) 4th Saturday of May