

QUESTION BOOKLET NO .....

**WRITTEN TEST FOR THE SELECTION OF  
ASSISTANT MANAGER (AH)**

*Time: 90 minutes**Maximum Marks:100*

This test consists of 100 multiple choice questions. Details are indicated below:

Sl. No.	Topic	Questions
1	Subject Awareness	1-60
2	General English/Reasoning	61-90
3	General Awareness	91-100

**INSTRUCTIONS**

- Before you start answering, check whether your Question Booklet is in order and contains 12 pages.
- Mark your answers in the OMR sheet provided.
- Read and follow the instructions given in the OMR sheet before marking answers and writing details.
- Use only **black/blue ball point pen** for writing details in the boxes and shading the bubble.
- There will be no negative marks.
- Use of calculators, mobile phone, books, any other paper or materials will not be permitted.
- Put your signature in the space provided in the OMR Sheet, in the presence of the invigilator.
- Rough work may be done on page 12 only. No other markings are allowed on the question booklet & OMR sheet.
- Follow the instructions of the invigilators in all matters inside the examination hall.
- Handover the question booklet and OMR sheet to the invigilator at the end of the test.

**WARNING**

- Pen marking once made is final.
- Fresh OMR Sheet/Question Booklet will not be supplied for any reason except printing/manufacturing defects.
- Avoid perforation, dampening or soiling of the OMR Sheet.
- Any attempt to erase the pen mark once made will leave smudges or marks on the bubble which will be treated as a valid mark.
- Any fresh mark made after attempting erasure of an already marked bubble will lead to multiple marks and lead to being considered wrong answer.
- Use of white fluid or any other correction fluid to erase the pen marking once made is not permitted. Any attempt to do so will result in summary rejection of the Answer Sheet.

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**Direction (Questions 1 to 60): Choose the best alternative**

1. Best antacid used for oral dosing in rumen lactic acidosis is
  - a. Magnesium oxide
  - b. Sodium carbonate
  - c. Sodium bicarbonate
  - d. Calcium carbonate
2. The first drug of choice in anaphylactic shock is
  - a. Adrenaline
  - b. Corticosteroids
  - c. Anti-histamines
  - d. NSAIDs
3. In cattle, "Cardia" auscultation technique is done to diagnose
  - a. Traumatic pericarditis
  - b. Cardiac asthenia
  - c. Vagal indigestion
  - d. Diaphragmatic hernia
4. Anaplasmosis in cattle is treated using
  - a. Doxycycline
  - b. Oxytetracycline
  - c. Diminazine acetate
  - d. Buparvaquone
5. Which of the following disease is not considered as zoonotic?
  - a. Leptospirosis
  - b. Rabies
  - c. Brucellosis
  - d. Canine distemper
6. Rate of premium for cattle insurance (non scheme animals) when compared to the cost of animal is
  - a. 3 percent
  - b. 4 percent
  - c. 4.5 percent
  - d. 5 percent
7. Practically the best time temperature combination for thawing of cryopreserved semen is
  - a. 5°C for 5 min
  - b. 45°C for 30 sec
  - c. 37°C for 1 min
  - d. 96.5°C for 1 sec
8. Kupffer cells are found in
  - a. Lung
  - b. Liver
  - c. Kidney
  - d. Intestine
9. Normal level of blood glucose in adult cattle
  - a. 80-120 mg/dl
  - b. 40-50 mg/dl
  - c. 120-200 mg/dl
  - d. 20-25 mg/dl
10. In Electrocardiography, the P-R interval denotes the conduction through
  - a. SA node
  - b. AV node
  - c. Bundle of His
  - d. Purkinje fibres
11. The most ideal method for hormonal assay is
  - a. ELISA
  - b. Radioimmunoassay
  - c. Using biochemical analyser
  - d. Bioassay

12. In Sertoli cell tumour, of male dogs, the hormone produced in excess is  
a. androgen                      b. oestrogen                      c. progesterone                      d. oxytocin
13. The volatile fatty acid which produces milk fat is  
a. acetic acid                      b. propionic acid                      c. butyric acid                      d. valeric acid
14. In cattle, bad smell in milk is due to  
a. Aflatoxin in feed                      b. Ruminal putrefaction  
c. Subclinical mastitis                      d. Summer mastitis
15. In ruminants cobalt is the precursor of  
a. vitamin B12   b. thiamine                      c. riboflavin                      d. pyridoxine
16. The twine lamb disease in sheep and goat is  
a. Dystocia                      b. Diabetes mellitus  
c. Pregnancy toxemia                      d. Floppy kid syndrome
17. The normal serum calcium level in cattle is  
a. 4 - 5 mg/dl                      b. 8 -10 mg/dl                      c. 2 – 4 mg/dl                      d. 10 g/dl
18. The time of ovulation in buffaloes  
a. 12 hours after the end of oestrus   b. 12 hours before the end of oestrus  
c. 24 hours after the end of oestrus                      d. 24 hours before the end of oestrus
19. The blood cells increased during allergy and parasitism is  
a. Neutrophils                      b. Eosinophils   c. Monocytes                      d. Basophils
20. Which of the following extenders is not used for room temperature storage of semen  
a. Illini Variable temperature diluents                      b. Egg Yolk Citrate extender  
c. Cornell University Extender                      d. Coconut Milk Extender
21. The inorganic phosphorous preparation used for treating recurrent milk fever in cattle is  
a. Phosphoric acid                      b. Tonophosphan  
c. Sodium acid phosphate                      d. Dicalcium phosphate
22. Enlargement of mediastinal lymph node in cattle cause  
a. bloat                      b. cardiac dilatation   c. pneumonia                      d. tracheal collapse
23. The induced ovulator is  
a. cow                      b. female cats   c. female dogs                      d. sows

24. Duration of oestrus in cow is  
a. 18-24 hours                      b. 10-15 hours                      c. 4-9 hours                      d. 36-48 hours
25. Organs and body structures involved in vitamin D synthesis and calcium metabolism  
a. liver and kidney  
b. liver, kidney and skin  
c. skin, liver, kidney, bone and parathyroid  
d. skin, liver, kidney, bone, parathyroid and intestine
26. Nervous signs in bovine ketosis are due to  
a. Hypoglycaemia  
b. Hypoglycaemia and increased isopropanol  
c. Hypoglycaemia, increased  $\beta$  hydroxy butyric acid  
d. Decreased insulin
27. Hydrogen cyanide toxicity inhibit the enzyme  
a. NADH dehydrogenase                      b. Cytochrome oxidase  
c. Succinate dehydrogenase                      d. Sorbitol dehydrogenase
28. Test best suited for checking the low energy status in cattle during metabolic profiling  
a. random blood glucose                      b. glucose tolerance  
c. plasma non esterified free fatty acids                      d. fasting blood glucose levels
29. In cattle, decreased serum albumin: globulin ratio commonly indicate  
a. chronic liver disease                      b. acute liver disease  
c. pancreatitis                      d. encephalitis
30. Over dose of xylazine cause death in cattle due to sudden failure of  
a. liver                      b. heart                      c. lungs                      d. brain
31. The indigenous pig breed found in Kerala  
a. kasargode                      b. parasala                      c. ankamaly                      d. adimaly
32. The organism causing fowl cholera  
a. *Escherichia coli*                      b. *Haemophilus gallinarum*  
c. *Pasteurella multocida*                      d. *Mycoplasma gallisepticum*
33. Hormone used for rig test  
a. hCG                      b. eCG                      c. Estrogen                      d. Testosterone
34. The obstetrical operation usually adopted to relieve dystocia due to foetal anasarca is  
a. Repulsion                      b. Version                      c. Traction                      d. None of the above

35. Maximum permissible percentage of urea in cattle feed  
a. 10                      b. 3                      c. 6                      d. 1
36. Osteodystrophia fibrosa in goats is caused by dietary excess of  
a. calcium                      b. magnesium                      c. phosphorous                      d. All the above
37. Ideal crude fibre in the diet of dairy cattle is  
a. 18 %                      b. 10 %                      c. 12 %                      d. 4 %
38. Best practical method to reduce aflatoxin in feed is  
a. heating                      b. washing                      c. boiling                      d. Sun drying
39. Steely wool, spectacled eye appearance and diarrhoea in sheep occur due to the deficiency of  
a. vitamin A                      b. copper                      c. cobalt                      d. manganese
40. Maximum level of salt permitted in chicken feed  
a. 0.6 %                      b. 0.3 %                      c. 0.8 %                      d. 1 %
41. Pododermatitis in cattle is caused by  
a. Dermatophytosis                      b. Aflatoxin in feed  
c. *Dermatophylus congolensis*                      d. *Aspergillus niger*
42. The best drug for treating Trypanosomosis in cattle is  
a. Isometamidium chloride                      b. Diminazine aceturate  
c. Oxytetracycline                      d. Imidocarb
43. Number of new cases that occur in a known population over a specified period of time  
a. prevalence                      b. incidence                      c. risk                      d. attack rate
44. The endecto parasiticide  
a. Closantel                      b. Pyrantel                      c. Morantel                      d. Ivermectin
45. Intragenic gene action is shown in  
a. Dominance                      b. Epistasis                      c. Both of above                      d. None of above
46. A mating system designed to maintain substantial degree of relationship to a highly regarded ancestor  
a. Line Breeding                      b. Out Breeding                      c. Outcrossing                      d. Crossbreeding
47. The cattle breed with curled leaf like ears  
a. Sahiwal                      b. Hariana                      c. Gir                      d. Jamnapari

48. Which of the following sheep breed is with horned rams and polled ewes  
a. Bakerwal      b. Ramnad White      c. Mussafarnagri      d. Vembur
49. The poultry breed with black meat and black colour  
a. Asseel      b. Kadaknath      c. Favorolla      d. Miri
50. Favourable gene combination value is  
a. Nicking Ability      b. Heterosis  
c. Genetic correlation      d. Breed complementarity
51. Single pair of genes influencing more than one trait is called  
a. Pleiotropic genes      b. Holandric genes  
c. Recessive genes      d. Dominant genes
52. Temperature of liquid nitrogen is  
a. -180°C      b. -196 °C      c. -179 °C      d. -186 °C
53. The drug for treating benign prostatic hyperplasia in dog is  
a. Finasteride      b. Entrofloxacin      c. Prednisolone      d. Meloxicam
54. The optimum number of motile sperms to be fixed in an inseminating dose of cow  
a.  $80 \times 10^6$       b.  $40 \times 10^6$       c.  $20 \times 10^6$       d.  $10 \times 10^6$
55. The term for 'Programmed cell death' is  
a. Necrosis      b. Apoptosis      c. Gangrene      d. Fibrosis
56. The caudal venacaval syndrome, leading to epistaxis and death in cattle is due to  
a. primary liver disease      b. sub-acute ruminal lactic acidosis  
c. thrombocytopaenia      d. blood parasites
57. Summer mastitis is caused by  
a. *Cornebacterium pyogenes*      b. *E.coli*  
c. *Streptococcus aureus*      d. Staphylococcus
58. The drug of choice in treating Leptospirosis in animals  
a. Amoxicillin      b. Oxytetracycline      c. Benzyl penicillin      d. Enrofloxacin
59. Drug used for reviving respiratory arrest during anaesthesia is  
a. Theophylline      b. Doxapram      c. Atropine      d. Diazepam
60. The drug used for reversing benzodiazepine over dose  
a. Yohimbine      b. Atropine      c. Flumazenil      d. Promethazine

**Direction (Question 61): Fill in the blanks with the correct pair of words or phrases so that the sentence is grammatically correct and meaningful.**

61. The .....of my professors inspired me to .....hard and win the competition.
- a. advise ..... practise      b. advice .....practise  
c. advise ..... practice      d. advice .....practice

**Direction (Questions 62 & 63): Each question gives a sentence with a part of the sentence underlined. Four alternatives for the underlined part are given. One of them is correct. Identify the correct one and mark its letter as the answer.**

62. Being a recently divorced man with full custody of children, I was determined to give them a normal and stable a home life as possible.
- a. a normal and stable a home life  
b. a normal as well as stable a home life  
c. as normal and stable a home life  
d. a home life which is normal and stable
63. I have much memories about my father and about growing up with him in our apartment which is next t the elevated train tracks.
- a. much memories      b. all memories  
c. many memories      d. more memories

**Direction (Questions 64 & 65): Identify the incorrect sentence or sentences.**

64. a. In most Indian households, the man alone manages the finance.  
b. It is important for the women to take stock of family asset  
c. She must learn to manage them in advance of any unfortunate situation  
d. I brief my wife periodically
- a. a and b      b. a, b and c      c. only c      d. only d
65. a. Water blessed our nation this year and also cursed it.  
b. Downpours ended California's drought, and a dry summer seared South Carolina  
c. The Midwest still reels from flood  
d. Water is on everyones mind
- a. only b      b. b and d      c. a, b and c      d. b, c and d

**Direction (Questions 66& 67): In each question given below, identify the word which is similar in meaning (synonyms) to the question word.**

66. ABSTEMIOUS
- a. self-centered      b. self-satisfied      c. self-abnegating      d. self-controlled
67. INCLINATION
- a. tendency      b. skill      c. fame      d. favour

**Direction (Questions 68 to 70): Each question has a word followed by four choices. From the choices, identify the one which is opposite in meaning (antonym) to the main word and mark its number as your answer.**

68. HAPHAZARD  
 a. cumbersome      b. concocted      c. orderly      d. zigzag
69. IMPUDENT  
 a. rude      b. courteous      c. impertinent      d. insolent
70. MOROSE  
 a. witty      b. splendid      c. buoyant      d. inconsequential

**Direction (Questions 71 to 80): Choose the best alternative**

71. Classes A and B have 35 students each. If seven girls shift from class A to class B, then the number of girls in the classes would interchange. If four girls shift from class B to class A then the number of girls in class A would be twice the original number of girls in class B. What is the number of boys in class A and in class B?  
 a. 18 and 11      b. 24 and 17      c. 18 and 27      d. 17 and 24
72. In a three digit number the tens digit is the average of the other two digits. The ratio of the number formed by its first two digits and their sum equals the ratio of the number formed by its last two digits and their sum. How many three digit numbers satisfy these conditions?  
 a. 7      b. 8      c. 9      d. 6
73. There are a certain number of soldiers in a field. If the soldiers are arranged in rows of 8 or 15 or 20, one soldier is left out. If the soldiers are arranged in rows of 9 or 13, four soldiers only are left out. Find the number of soldiers in the field.  
 a. 109      b. 113      c. 117      d. 121
74. A trader sells an article at a profit of Rs.25. If the cost price is reduced by Rs.25 and consequently the selling price is reduced by 25% he would make a profit of 25%. What is his initial cost price?  
 a. Rs.100      b. Rs.50      c. Rs.75      d. Rs.40
75. Anwar borrowed Rs.72000 at 20% p.a. compound interest, interest being compounded annually. He repaid Rs. $x$  at the end of the first year. He repaid Rs.57600 at the end of the second year and thereby cleared the loan. Find  $x$ .  
 a. 40000      b. 36000      c. 38400      d. 32000
76. The average age of a group of men is 20 years. Two men whose ages are 23 years and 27 years joined the group. The average age of the group increased by a prime number. The number of men in the original group is  
 a. 3      b. 4      c. 5      d. 6



77. Two numbers run in the same direction along a circular track 3 km in length. The faster runner overtakes the slower every 1 hour. Find the speed of the slower runner, if the faster one completes one length of the track 2 minutes sooner than the other.
- a. 20kmph                      b. 18 kmph                      c. 15 kmph                      d. 12kmph
78. An athlete runs a race and after every hour, his speed reduces to half the speed with which he travelled for the previous hour. Find the time taken to cover the race, if the person started the race with a speed of 16 km/hr and the length of the race was 31.5 km.
- a. 4 hours                      b. 6 hours                      c. 8 hours                      d. 5 hours
79. In how many ways can 5 boys and 3 girls sit around a table in such a way that no two girls sit together?
- a. 480                      b. 960                      c. 320                      d. 1440
80. A tourist covers half of his journey by train at 60 km/hr, half of the remainder by bus at 30 km/hr and the rest by cycle at 10 km/hr. The average speed of the tourist in km/hr during his entire journey is
- a. 36                      b. 30                      c. 24                      d. 18

**Direction (Question 81): Complete the following series**

81. BDCAG, DHFBN, HPLDB, PFXHD, FLVPH, .....
- a. LXRFP                      b. LVTDN                      c. JTPDN                      d. LZVRL

**Direction (Question 82): Find the missing term**

82. Kangaro : Hopping : : Snake : .....
- a. Crawling                      b. Mongoose                      c. Poisonous                      d. Bite

**Direction (Question 83): Find the odd man out**

83. a. Sculptor                      b. Blacksmith                      c. Carpenter                      d. Profession

**Direction (Question 84): Select the correct alternative from the given choices**

84. In a certain code language, if the word CUSTOMER is coded as RCEUMSOT, then how is the word IMMACULATE coded in that language?
- a. EITMMALAUC                      b. EITMAMLAUC                      c. ETEMAMALUC                      d. EITMMALUAC

**Direction (Question 85): Choose the best alternative**

85. My sister's daughter's grand mother's only child's only son is my
- a. son                      b. nephew                      c. brother                      d. cannot be determined

**Direction (Questions 86 & 87): These questions are based on the following data.**

B – 1, B – 2 and B – 3 are three buses that travel from Mumbai to Delhi. Each bus starts at a different time and arrives at a different time. The digit in the bus number and the order of their departure or arrival is not the same. The first bus to leave Mumbai is the third bus to reach Delhi.

86. Which is the first bus to leave Mumbai?
- a. B – 1                      b. B – 2                      c. B – 3                      d. B – 1 or B – 2
87. Which is the second bus to reach Delhi?
- a. B – 1                      b. B – 2                      c. B – 3                      d. B – 1 or B – 3

**Direction (Questions 88 to 90): These questions are based on the following information.**

Each of the seven delegates A through G came to India to attend a conference from seven different countries – China, Japan, Malaysia, England, Australia, Germany and Poland.

- (i) China, Japan and Malaysia are the only Asian countries.
- (ii) A and B are from Asian countries whereas D is neither from England nor from Australia.
- (iii) E and F are from non Asian countries but neither of them came from either Australia or England.
- (iv) C is not from England and the person from Poland is not F
- (v) A is from China.

88. Who is from Germany?
- a. E                      b. C                      c. F                      d. G
89. Who is from Malaysia?
- a. B                      b. D                      c. A                      d. Either A or B
90. Which country did G come?
- a. England                      b. Australia                      c. Poland                      d. Cannot be determined

**Direction (Questions 91 to 100): Choose the best alternative**

91. The Kyoto Protocol on global warming came into effect from February 2005. All the nations except two have accepted and implemented the protocol in their countries. Which are these two countries?
- a. India and Pakistan                      b. Pakistan and Bangladesh  
c. US and Australia                      d. None of the above
92. How many Schedules are there in the Indian Constitution?
- a. 11                      b. 12                      c. 13                      d. 14
93. Which one of the following has been adopted by World Wildlife Fund as its mascot?
- a. Bear                      b. Tiger                      c. Deer                      d. Panda

94. Which of the following is a dry-affected zone?
- a. Brahmaputra delta                      b. Mahanadi delta  
c. Rayalseema delta                      d. Tamil Nadu delta
95. Plimsoll line is a reference line in a
- a. Plane                      b. Train                      c. Ship                      d. Submarine
96. Study of field crops is called
- a. Pomology                      b. Agronomy                      c. Olericulture                      d. Floriculture
97. Who is the author of the book, *Is Paris Burning?*
- a. JohnGrishma                      b. Lapierre& Collins  
c. ChristopherPaolini Knopf                      d. Michael Moore
98. Which is the purest form of iron?
- a. Steel                      b. Cast iron                      c. Pig iron                      d. Wrought iron
99. The ancient name of North Bihar was
- a. Videha                      b. Vatsa                      c. Surasena                      d. Avanti
100. Which of the following terms is not related with the game of lawn tennis?
- a. Love                      b. Mid on                      c. Smash                      d. Slice

**Rough Work**