

136/25

Question Booklet Alpha Code

A

Question Booklet Sl. No.

A

Total Number of Questions : 100

Time : 90 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C & D**.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator **IMMEDIATELY**.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A

1. In specialized farming, _____ percentage or more income is generated from livestock.
A) 50 B) 40 C) 60 D) 70
2. Honey comb appearance is characteristic of which part of ruminant stomach ?
A) Rumen B) Reticulum C) Omasum D) Abomasum
3. Poultry breed having meat and internal organs with reddish black colour
A) Aseel B) Brahma C) Kadaknath D) Gramalakshmi
4. Choose the correct statements.
i. Corral dairying is practised mainly in towns and cities.
ii. Castrated male sheep is called Wether.
iii. Eve is adult female goat.
iv. Serving is act of mating in goat.
A) i, ii and iii are correct B) ii, iii and iv are correct
C) i, iii and iv are correct D) i, ii and iv are correct
5. Cattle breed with long pendulous ears which resemble a curled leaf is
A) Deoni B) Gir C) Red Sindhi D) Kankrej
6. Identify the buffalo breed from given description; jet black colour, smooth skin with scanty hair, tightly curled short horns.
A) Surti B) Nili Ravi C) Mehsana D) Murrah
7. Tassels are characteristic feature of which goat breed ?
A) Barbari B) Malabari C) Beetal D) Jamunapari
8. The primary hormone responsible for milk let down is
A) Prolactin B) Estrogen
C) Oxytocin D) Epinephrine
9. Choose the odd one out.
A) Rhode Island Red B) New Hampshire
C) Plymouth Rock D) Leghorn
10. _____ is the most heat tolerant breed among exotic cattle.
A) Brown Swiss B) Jersey
C) Holstein Friesian D) Ayreshire

11. Which breed is well known for highest quality bacon ?
 A) Duroc B) Landrace C) Berkshire D) Hampshire
12. Sheep breed usually called “golden footed sheep” is
 A) Merino B) Marwari C) Rambouillet D) Mandya
13. Which among the following animal has lobulated kidney ?
 A) Cattle B) Goat C) Pig D) Dog
14. Which among the following is not a duck breed ?
 A) White Pekin B) Khaki Campbell
 C) Beltsville Small White D) Indian Runner
15. Choose the incorrect statements from the following.
 i. The smallest exotic cattle breed is Jersey.
 ii. Kasargod dwarf is the smallest breed of cattle in the world.
 iii. Amrit Mahal is a milch purpose cattle breed.
 iv. Kankrej breed is peculiar for “Sawai Chal” gait.
 A) i and ii only B) iii and iv only C) i and iv only D) ii and iii only
16. Which of the following statement is not true with respect to loose housing system for cattle ?
 A) Feed and water is never provided in the resting area
 B) This system is ideal for areas of low rainfall
 C) Milking parlour is a must in this system
 D) None of these
17. Which among the following statements are true regarding the cage system of housing poultry when it is compared with the deep litter system ?
 i. Less chance of coccidiosis
 ii. Animal welfare is less
 iii. Less nuisance due to flies
 A) i and ii only B) i and iii only
 C) ii and iii only D) All of the above (i, ii and iii)
18. Recognise which is not a sign of pregnancy ?
 A) Fremitus in uterine artery B) Cotyledons on uterine wall
 C) Enlargement of both uterine cornua D) None of these

19. Choose the correct option after checking the following Assertion and Reason.

Assertion (A) : In head to head system of housing cattle, sun-rays fall in the gutter where they are most needed.

Reason (R) : The time spent by dairy farm workers at the back of the cow is almost 4 times more than the time spent in front of them.

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C) (A) is true but (R) is false
- D) (A) is false but (R) is true

20. Which among the following is true about the rotary milking parlours ?

- A) Easily expandable
- B) Easy to provide special cow care
- C) Cow movement functions are not at all automated
- D) None of these

21. Choose the correct option after checking the following Assertion and Reason.

Assertion (A) : Yellowish and wet compost is most suitable for use in plants.

Reason (R) : An unripe compost has high temperature which can damage the plants.

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C) (A) is true but (R) is false
- D) (A) is false but (R) is true

22. Identify the oestrus detection method in which the teaser bull is fitted with a detector.

- | | |
|------------------------|---------------------|
| A) Tail painting | B) Chin ball device |
| C) Heat mount detector | D) CCTV cameras |

23. Which among the following statements are true regarding culling and replacement in a herd ?

- i. On an average 40% of the stock has to be replaced each year.
- ii. Replacement by farm grown calves will be better.
- iii. Culling helps to increase profit in dairy farming.

- | | |
|--------------------|-------------------------------------|
| A) i and ii only | B) i and iii only |
| C) ii and iii only | D) All of the above (i, ii and iii) |

24. Which is correct regarding progeny testing ?
 A) It is a method for selection of bulls B) It is a fast method of selection
 C) It is a form of pedigree selection D) All of these
25. Choose the correct statements regarding the bovine female reproductive system.
 i. The uterus is bi-cornuate in structure.
 ii. The cervix relaxes only during oestrus and parturition.
 iii. Other than the production of ova, the ovary has endocrine function too.
 A) i and ii only B) i and iii only
 C) ii and iii only D) All of the above (i, ii and iii)
26. The hormone progesterone is produced by
 A) Corpus luteum B) Zona pellucida
 C) Cumulus oophorus D) Graafian follicle
27. Select the correct answer after verifying the Assertion and Reason given below.
Assertion (A) : The testicular temperature is 5 °F lower than the body temperature in bovines.
Reason (R) : The epididymis regulates the temperature of testes.
 A) Both (A) and (R) are true and (R) is the correct explanation of (A)
 B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
 C) (A) is true but (R) is false
 D) (A) is false but (R) is true
28. Which of the following is not required for an AV for semen collection from bulls ?
 A) Temperature of 42 °C to 46 °C
 B) Insulation bag covering the collection vial and cone
 C) Collection vial which is washed with clean water just prior to collection
 D) Pressure of 45 to 55 mmHg
29. Heat stress in dairy cattle can lead to
 i. Low metabolism
 ii. Reduced peripheral blood circulation
 iii. Loss of body weight
 A) i and ii only B) i and iii only
 C) ii and iii only D) All of the above (i, ii and iii)
30. The cryo-protective agent for bull spermatozoa in frozen storage of semen is
 A) Fructose B) Buffers C) Egg yolk D) Glycerol

31. An advantage of speculum method of AI compared to recto-vaginal method is that
- Chance of injury to genital tract is reduced
 - Easy to do as the cervix is detected visually
 - Chance of abortion can be decreased
 - Less disturbance to animal
32. Choose the correct answer after verifying the Assertion and Reason given below.
Assertion (A) : The fowl is having higher air requirement per unit body in comparison with other animals.
Reason (R) : Fowl is a small animal with a rapid metabolism.
- Both (A) and (R) are true and (R) is the correct explanation of (A)
 - Both (A) and (R) are true but (R) is not the correct explanation of (A)
 - (A) is true but (R) is false
 - (A) is false but (R) is true
33. Parturition is completed with
- Rupture of second water bag
 - Expulsion of fetus
 - Expulsion of placenta
 - Involution of uterus
34. Inaccurate heat detection may lead to
- Increase in service period
 - Extended inter calving period
 - Extended gestation period
- i and ii only
 - ii and iii only
 - i and iii only
 - All of the above (i, ii and iii)
35. MOET technology involves
- Superovulation of recipient cows
 - In-vitro fertilization of ova
 - Collection of embryos from donor cows
 - All of these
36. How long does it typically take for the teat sphincter to close after milking ?
- 10-20 minutes
 - 30-40 minutes
 - 50-60 minutes
 - 1-2 hours
37. What is the primary method of transmission for lumpy skin disease ?
- Direct contact with infected animals
 - Ingestion of contaminated feed
 - Airborne transmission
 - Waterborne transmission

38. Which of the following is a primary symptom of brucellosis in cattle ?
 A) Abortion B) Diarrhea C) Skin lesions D) Lameness
39. Which of the following is a common symptom of milk fever in dairy cows ?
 A) Muscle tremors B) Diarrhea C) Skin lesions D) Lameness
40. The major important reasons for anthelmintic failure are due to
 i. Improper dosing
 ii. Frequent dosing
 iii. Faulty technique
 iv. Return of the dosed animals to contaminated pasture
 v. Repeated usage of same anthelmintic
 A) i and ii B) i and iv C) iii and v D) iii and ii
41. **Statement A** : The grain mixture can be fed to calves beyond 4 months.
Statement B : Grain mixture should contain atleast 18% crude protein calves.
 A) Statement A is correct
 B) Statement B is correct
 C) Both the Statements A and B are correct
 D) Both the Statements A and B correct and B is the exact reason for the Statement A
42. During outbreak of disease which is not correct ?
 A) Segregation of sick animals
 B) Transport of sick animals to lone places
 C) Clear disinfection of premises contaminated by diseased animals
 D) Vaccinate the healthy animal
43. Choose the wrong statement for effective milk replacer for calves.
 A) Economical and cheap
 B) Protein should be above 20-22%
 C) The fibre content should be minimum 4%
 D) Can be made by extending the milk
44. **Statement A** : For making silage the crop chosen is in bloom stage.
Statement B : The ideal moisture content for making good silage is between 30-40%.
 A) Statement A is correct
 B) Statement B is correct
 C) Statements A and B are correct
 D) Statement B is the correct reason for the Statement A

45. **Statement A** : Leguminous green fodders must not be fed on empty stomach to ruminants.
Statement B : Legume fodders are rich in protein.
- Statement A is correct
 - Statement B is correct
 - Statements A and B are correct
 - Statement B is the exact reason for the Statement A
46. If the second pair of permanent tooth has erupted in buffalo it would be of _____ of age.
- 40-42 months
 - 30-35 months
 - 20-25 months
 - 50-52 months
47. The advantage of including the bypass protein in diet is
- Increases the rumen biomass production
 - Reduces the methane production
 - Increases the milk protein synthesis
 - Increases the fibre digestion
48. Addition of T.M.R. is helps in
- Increased milk production
 - Better nutrient balance in rumen
 - Reduces acidosis
 - All of the above
49. Which among the following parts of the milking machine simulates the squeeze phase in milking of cow ?
- Milk pump
 - Vacuum pump
 - Liner
 - Pulsator
50. Which of the following practices helps to prevent mastitis during milking ?
- Using a high vacuum pressure
 - Ensuring proper teat cup alignment
 - Milking for extended periods
 - Skipping pre-milking teat disinfection
51. When should goat kids ideally receive their first colostrum ?
- Within 30 minutes after birth
 - After 12 hours
 - After 24 hours
 - At 3 days old
52. Which disease is caused by a virus and leads to severe respiratory symptoms in goats ?
- Tetanus
 - Peste des Petits Ruminants (PPR)
 - Polioencephalomalacia (PEM)
 - Contagious Caprine Pleuropneumonia (CCPP)

53. Polioencephalomalacia (PEM) in goats is primarily associated with
 - A) Vitamin B1 (thiamine) deficiency
 - B) Viral infections
 - C) Respiratory infections
 - D) Parasitic infestations
54. Which of the following are signs of heat in goats ?
 - A) Wagging of tail
 - B) Frequent bleating
 - C) Drop in milk yield
 - D) All of the above
55. At what age are piglets typically weaned ?
 - A) 1-2 weeks
 - B) 5-6 weeks
 - C) 8-10 weeks
 - D) 10-12 weeks
56. Pig Housing should provide
 - A) Only minimal space to reduce costs
 - B) Poor ventilation to retain heat
 - C) Adequate protection against sunlight and rain
 - D) Constant bright lighting
57. How often should fresh water be provided to rabbits ?
 - A) Once a day
 - B) Adlibitum
 - C) Twice a day
 - D) Only during feeding times
58. Mange in rabbits is caused by
 - A) Bacterial infection
 - B) Fungal infection
 - C) Parasitic mites
 - D) Viral infection
59. What is the average lifespan of a Japanese Spitz ?
 - A) 5-7 years
 - B) 7-9 years
 - C) 10-14 years
 - D) 14-16 years
60. What is the recommended feeding frequency for puppies aged 1-2 months ?
 - A) Once a day
 - B) Twice a day
 - C) Four times a day
 - D) Six times a day
61. Which of the following is a zoonotic disease that can be transmitted from pets to humans ?
 - A) Canine distemper
 - B) Feline panleukopenia
 - C) Rabies
 - D) Feline herpes virus
62. What type of diet is best suited for adult cats ?
 - A) High-carbohydrate
 - B) High-fat
 - C) High-protein
 - D) High-fiber

63. Which of the following is a commonly used technique for restraining a cat for a physical examination ?
 A) Scruffing B) Leashing
 C) Muzzling D) Sedation
64. Which of the following is/are true for turkeys ?
 A) ASM in turkeys is 20 weeks
 B) Incubation period for turkey eggs is 32 days
 C) The required M : F ratio for heavy breed turkeys is 1 : 3
 D) All of the above
65. The daily feed requirement of layer quails _____ g/bird.
 A) 20 B) 30 C) 40 D) 50
66. Ideal temperature under the hover during the first week of brooding in chicks is
 A) 33 – 35°C B) 33 – 35°F
 C) 93 – 95°C D) 53 – 55°F
67. Glandular stomach in poultry is
 A) Crop B) Gizzard C) Proventriculus D) Caecum
68. Which of the following are considered as the first two limiting amino acids for layer chickens fed on corn-soya based diet ?
 A) Glycine and Tryptophan B) Methionine and Valine
 C) Valine and Lysine D) Lysine and Methionine
69. Star gazing occurs due to the deficiency of
 A) Vitamin B12 B) Vitamin B2 C) Vitamin B1 D) Vitamin B6
70. Sick feathers are seen in
 A) Male duck B) Male chicken C) Male turkey D) Male quail
71. Identify the false statement(s) from the options given below.
Statement I : Fertilisation is not a prerequisite for egg formation.
Statement II : Air cell is seen between the shell and shell membrane on the broad end.
Statement III : Egg remains in the uterus for nearly 20 hours.
Statement IV : The glands in the magnum secrete albumen.
 A) I, III and IV B) I, II and III
 C) II only D) III and IV

72. A poultry species that lay eggs during early morning hours
 A) Chicken B) Quail C) Turkey D) Duck
73. Match the following :
 a. Infundibulum 1. Bloom
 b. Isthmus 2. Longest part
 c. Vagina 3. Fertilisation
 d. Magnum 4. Shell membranes
 A) a – 4, b – 1, c – 3, d – 2
 B) a – 3, b – 2, c – 4, d – 1
 C) a – 3, b – 4, c – 1, d – 2
 D) a – 4, b – 3, c – 1, d – 2
74. The order of shedding feathers during moulting is
 A) Head, body, neck, wings and tail B) Head, body, wings, neck and tail
 C) Head, neck, body, wings and tail D) Head, body, tail, wings and neck
75. If the cumulative feed consumption in a broiler farm with 1000 birds capacity is around 4000 kg and the average body weight of the birds is 2 kg, then the FCR of the flock is
 A) 20 B) 0.5 C) 4 D) 2
76. Identify the viral disease from the options given below.
 A) Infectious Coryza B) Chronic Respiratory Disease
 C) Infectious Bursal Disease D) Fowl Cholera
77. What is the minimum protein content in layer feed of phase I according to BIS (2007) specifications ?
 A) 20 per cent B) 18 per cent C) 16 per cent D) 14 per cent
78. What is the ideal sperm concentration in semen for AI in chicken ?
 A) 10 million B) 50 million C) 100 million D) 25 million
79. Gumboro infection causes immune suppression by destroying the production of
 A) Immunoglobulins B) B-cells C) Eosinophils D) T-cells

89. Which one of the following option is correct ?

- i. Resazurin reduction test is based on metabolic activity of bacteria.
- ii. Freezing point of milk rises when water is added to milk.
- iii. Normal milk has an alkaline pH.

- A) Only i
- B) Only i and ii
- C) Only i and iii
- D) All of the above (i, ii and iii)

90. According to FSSAI standards, double toned milk should have minimum percent milk fat and milk solids not fat

- A) 3.0 and 8.5, respectively
- B) 3.5 and 8.5, respectively
- C) 1.5 and 9.0, respectively
- D) 4.5 and 9.0, respectively

91. Which one of the following options is correct ?

- i. Whey is a by product of butter manufacture.
- ii. Khoa is a coagulated milk product.
- iii. Yoghurt is a fermented milk product.
- iv. Chhana is a heat and acid coagulated milk product.

- A) Only i and iv
- B) Only i and iii
- C) Only iii and iv
- D) Only ii, iii and iv

92. According to FSSAI, qualitative method for detecting cane sugar in milk is

- A) Modified Seliwanoff's method
- B) Iodine method
- C) Para-dimethylaminobenzaldehyde (DMAB) method
- D) Nitrazine yellow method

93. Inner thick albumen of egg is

- A) Latebra
- B) Chalaza
- C) Blastodisc
- D) Nucleus of Pander

94. Which one of the following option is correct ?

- i. pH of albumen is alkaline.
- ii. Water glass method of table egg preservation uses sodium carbonate.
- iii. Gelation is a defect during freezing of eggs.
- iv. Ovotransferrin is the major albumen protein.

- A) Only i is correct
- B) Only ii and iii are correct
- C) Only i, ii and iv are correct
- D) Only i and iii are correct

Space for Rough Work

