

57/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The disease affecting chicken which causes immune suppression :
(A) Salmonellosis (B) IBD
(C) RD (D) Coccidiosis
2. The process of disappearance of pigments like melanin and carotenoids from the body parts of chicken :
(A) Moulting (B) Defeathering
(C) Bleaching (D) Decolouration
3. A popular and efficient method of disinfection of eggs in a hatchery :
(A) Lime sealing (B) Fumigation
(C) Candling (D) None of the above
4. Chemicals used for fumigation of eggs :
(A) $KMNO_4$ and Formalin (B) $KMNO_4$ and NaCl
(C) Formalin and Na_2CO_3 (D) $KMNO_4$ and HCl
5. The hair like feathers which remains even after the bird has been plucked :
(A) Contour (B) Plumules
(C) Filoplumes (D) Sickles
6. The disease affecting poultry which is caused by the inhalation of fungal spores from hatchery or from the mouldy feed or litter :
(A) Aspergillosis (B) Salmonellosis
(C) Fowl pox (D) Coccidiosis
7. The floor space requirement for chicks upto 4 weeks of age :
(A) 500 cm^2 (B) 150 cm^2
(C) $250 - 300\text{ cm}^2$ (D) $550 - 650\text{ cm}^2$

8. Name a critical aminoacid in poultry feed ration :
- (A) Leucine (B) Histidine
(C) Isoleucine (D) Arginine
9. A breed of chicken with feathered shank, loose plumage and used for meat purpose :
- (A) Plymouth Rock (B) Cornish
(C) Minorca (D) Brahma
10. The muscular stomach of chicken :
- (A) Gizzard (B) Proventriculus
(C) Caeca (D) Small intestine
11. A pneumatic bone present in fowl :
- (A) Tibia (B) Sternum
(C) Femur (D) Clavicle
12. The part of fowl that produces voice :
- (A) Larynx (B) Syrinx
(C) Bronchi (D) Trachea
13. Black Tongue disease in chicks is caused due to the deficiency of :
- (A) Biotin (B) Thiamin
(C) Pantothenic acid (D) Niacin
14. Choose a viral disease affecting chicken :
- (A) Favus (B) Mareck's Disease
(C) Coccidiosis (D) Fowl cholera
15. Incubation period of duck egg :
- (A) 28 days (B) 21 days
(C) 18 days (D) 35 days

16. The chemical used for preservation of eggs in water glass method :
- (A) Calcium oxide (B) Sodium silicate
(C) Calcium carbonate (D) Hydrochloric acid
17. The longest bone in fowl :
- (A) Femur (B) Tibia
(C) Humerus (D) Clavicle
18. An abnormality occurs in egg yolk as a result of the hemorrhage of small blood vessels in the ovary or oviduct :
- (A) Meat spot (B) Double yolked egg
(C) Pale egg (D) Blood spot
19. The proportion of yolk in a egg :
- (A) 27-32% (B) 50-55%
(C) 65% (D) 10-20%
20. Removal of small hair like feathers by passing hair flame all over the body of the carcass :
- (A) Trussing (B) Scalding
(C) Pinning (D) Singeing
21. The floor space requirement for broiler birds :
- (A) 1000 cm² (B) 800 cm²
(C) 750 cm² (D) 930 cm²
22. In which mating system accurate pedigreeing is possible :
- (A) AI (B) Pen mating
(C) Flock mating (D) Stud mating
23. A poultry house equipment which is only used in layer house :
- (A) Tube feeder (B) Shell grit hoppers
(C) Fountain type waterer (D) Both (B) and (C)

24. Incubation period of quail egg :
- (A) 28 days (B) 15 days
(C) 21 days (D) 18 days
25. The biological value of egg protein :
- (A) 95 (B) 200
(C) 150 (D) 85
26. The commercial practice for evaluating the quality of shell eggs :
- (A) Oil treatment (B) Fumigation
(C) Lime sealing (D) Candling
27. A poultry breed suitable for backyard system of rearing :
- (A) Rhode island Red (B) Cochin
(C) White Leghorn (D) Austrawhite
28. The process of shedding and renewal of feathers in chicken :
- (A) Pigmentation (B) Moulting
(C) Persistency (D) None of the above
29. Brooder or Hover space requirement for one chick :
- (A) 30-40 sq.cm (B) 45-65 sq.cm
(C) 80-90 sq.cm (D) 55-75 sq.cm
30. Identification and removal of economically non-viable birds :
- (A) Culling (B) Bleaching
(C) RST (D) Moulting
31. A disease caused in human beings by the continuous consumption of raw eggs :
- (A) Osteoporosis (B) Rickets
(C) Egg white injury (D) Pellagra
32. A feed ingredient which is a good source of B Complex vitamins :
- (A) Rice bran (B) Maize
(C) GNC (D) Wheat bran

33. The key nutrient needed for the production of milk and egg :
- (A) Fat (B) Protein
(C) Minerals (D) Carbohydrate
34. The system of mating of poultry in which males are usually confined at all times to small individual pens within the large laying pen :
- (A) Pen mating (B) Flock mating
(C) Artificial insemination (D) Stud mating
35. The productive capacity of each hen is recorded with the help of :
- (A) Artificial insemination (B) Trap nesting
(C) Random sample test (D) Pen mating
36. The temperature requirement for chicks at first weeks of age :
- (A) 26°C (B) 29°C
(C) 32°C (D) 35°C
37. The sound produced by male turkey :
- (A) Neighing (B) Barking
(C) Strutting (D) Dewbill
38. The photoperiod requirement for layer birds :
- (A) 14-16 hours (B) 20-22 hours
(C) 18-20 hours (D) 10-12 hours
39. Young one of a turkey :
- (A) Chick (B) Poult
(C) Kid (D) Duckling
40. The process of egg laying in chicken :
- (A) Yolk formation (B) Ovulation
(C) Oviposition (D) Bleaching

41. The cholesterol content in 100 g of chicken meat :
- (A) 60-90 mg (B) 110-120 mg
(C) 125-135 mg (D) 40-50 mg
42. The vitamin which is not present in the egg :
- (A) Vitamin A (B) Vitamin B
(C) Vitamin D (D) Vitamin C
43. Name an important hatchery borne disease :
- (A) Pullorum disease (B) Favus
(C) Perosis (D) Fowl pox
44. An indigenous breed of fowl which is known for its fighting qualities :
- (A) Chittagong (B) Brahma
(C) Ghagus (D) Aseel
45. Non nutrient substances that are included in poultry diet to provide growth stimulant properties :
- (A) Feed supplements (B) Feed additives
(C) Both (A) and (B) (D) None of the above
46. The crude protein requirement for layers according to BIS specification :
- (A) 22% (B) 19%
(C) 18% (D) 20%
47. Choose an egg type duck breed :
- (A) White Pekin (B) Muscovy
(C) Khaki Campbell (D) Both (A) and (B)
48. The causative organism for New Castle disease in chicken :
- (A) Pox virus (B) Birna virus
(C) Herpes virus (D) Paramyxo virus

49. The ideal temperature in the setter of an incubator :
- (A) 37.2 – 37.8°C (B) 36.9 – 37.1° C
(C) 38 – 39°C (D) None of the above
50. The serious defect of egg in which the vitelline membrane is broken allowing the white to mix with the yolk :
- (A) Addled egg (B) Broken egg
(C) Pale egg (D) None of the above
51. Albumen content in an egg :
- (A) 80% (B) 10%
(C) 56% (D) 90%
52. The protein requirement in Broiler starter ration :
- (A) 18% (B) 20%
(C) 22% (D) 15%
53. The part of oviduct where egg white is secreted around the yolk :
- (A) Infundibulum (B) Isthmus
(C) Shell gland (D) Magnum
54. The part of oesophagus where food is stored in poultry :
- (A) Crop (B) Small intestine
(C) Gizzard (D) Proventriculus
55. The average body temperature of fowl :
- (A) 47°C (B) 41.7°C
(C) 45°C (D) 48°C
56. The family or a line or a group of birds produced through specialized breeding programme :
- (A) Variety (B) Breed
(C) Broiler (D) Strain

57. The temperature required for long term storage in chicken egg is :
- (A) 4 – 7°C (B) 20 – 22°C
(C) 10 – 12°C (D) 15 – 16°C
58. The level of oil that can be used in poultry feed :
- (A) 10 – 12% (B) 6 – 8%
(C) 12 – 14% (D) 2 – 5%
59. Freezing of chicken meat under irregular temperatures produces a condition known as :
- (A) Freezer burn (B) Darkness of meat
(C) Red meat (D) White meat
60. The skin colour of Australorp Breed :
- (A) Black (B) White
(C) Yellow (D) Grey
61. The most immunosuppressant mycotoxin in poultry feed :
- (A) Ochratoxin (B) Gossypol
(C) Aflatoxin (D) Mimosin
62. An essential vitamin that should be included in duck feed :
- (A) Thiamin (B) Riboflavin
(C) Niacin (D) Folic acid
63. The feed efficiency of broiler chicken :
- (A) 1.72 (B) 1.90
(C) 1.50 (D) 1.64
64. The main pigment present in egg yolk :
- (A) Xanthophyll (B) Carotenol
(C) Ooporphyrin (D) Oocyanin
65. Male goose is called :
- (A) Drake (B) Tom
(C) Gander (D) Cock

66. The diploid chromosome number of poultry is :
(A) 32 (B) 78
(C) 36 (D) 38
67. The brooder house is recommended to accommodate :
(A) day old to 8 weeks old chicks (B) adults
(C) 10 weeks to 15 weeks old chicks (D) None of the above
68. The important organ for evaporative cooling in chicken :
(A) Skin (B) Lungs
(C) Liver (D) None of the above
69. An example of a poultry breed with pea comb :
(A) New Hampshire (B) Cochin
(C) Cornish (D) Sussex
70. Restricted feeding is practiced in which group of birds :
(A) Layers (B) Chicks
(C) Broilers (D) Growers
71. The shell surface of egg is covered by a thin mucus layer which provides natural protection to shell pores :
(A) Shell membrane (B) Latebra
(C) Cuticle (D) Green spot
72. The incubation period of Muscovy ducks :
(A) 28 days (B) 21 days
(C) 35 days (D) 30 days
73. Weight of day old quail eggs :
(A) 12 g (B) 7 g
(C) 15 g (D) 20 g
74. A fleshy protruberance near the base of beak in male turkey :
(A) Snood (B) Beard
(C) Both (A) and (B) (D) None of the above