



Q1) Fill in the blank by the correct choose from bracket. (Answer 5 only)
(10Marks)

- 1- ----- (Broiler, capon, hen, Layer).
a mature female chicken that produces eggs. Most can lay 300 eggs/year.
- 2- ----- (Broiler, capon, hen, Layer, Spent hen).
a hen that is no longer laying.
- 3- One type of poultry ----- (Duck, peafowl, owl, starling).
- 4- ----- of poultry (vaccination, breeding, Industry, classification)
Means establish of domesticated chickens in the groups based on the convergence characteristics where it is easier to identify different types and brands.
- 5- Live vaccines should be kept at ----- (4—8°C, 18°C, - 18°C, -298°C).
- 6- Salmonellosis, infectious Coryza, fowl cholera are ----- (Bacterial, viral, fungi, Parasitic) diseases.

Q2) Write True or False on the Following Sentences. (Answer 12 only)
(24 Marks)

- 1- Poultry characterize by Continuous production throughout the year.
- 2- The unit cost of producing the 1kg of the weighted poultry meat more than the cost of producing the same unit of beef and sheep.
- 3- chicken eggs consider as an integrated food to human.
- 4- Development of the poultry industry (management and feed), make the world regard the poultry as economic animals.
- 5- Restore movement in poultry industry lead to Introduction of modern technology in production.
- 6- The aim of vaccination Poultry are to spread of Zoonosis disease.
- 7- Prepare vaccine and stabilizer mixture in clean containers free of any chemicals, disinfectants, cleaners or organic materials.
- 8- Record vaccine product type, serial number and expiration date on pen charts or some other permanent flock record.
- 9-Twenty peoples are needed to carry out the (open-Bell drinking system) vaccination procedure.

10- vaccination by (open-Bell drinking system) is considered successful when 15% of birds show staining.

11- The cause of cannibalism, presence of high temperature.

12- The hereditary material of a chicken is located on 39 chromosomes in the nucleus of a cell.

13- Line breeding has been used extensively in hybrid and is used for the production of some commercial stocks of chickens (increases sexual maturity, egg weight, size and number of eggs).

Q3) Answer the following questions. (16 Marks)

1- Mention the characters of egg type chickens. (8 Marks)

2- Mention the Duck classification as body weight. (4 Marks)

3- Enumerate two route of vaccination. (4 Marks)

Q4/ Discuss the following phrases ? (Answer 2 only) (20 Marks)

1. Avoid excessively large or small eggs.
2. Poor results are most commonly produced with improper control of temperature and/or humidity.
3. Ventilation is very important during the incubation process.

Q5 / Fill in the following blanks : (Answer 6 only) (30 Marks)

1. Gizzard function: like it mechanically grinds up food particles.
2. a red growth underneath the beak, which works in conjunction with the, an excess of skin on top of their head.
3. The normal size of the air cell after,, and days of incubation for a chicken egg is shown.
4. The eggs are initially set in the incubator with the large end up or horizontally with the slightly elevated.

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