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Register Number:

Name of the Candidate:

**DIPLOMA EXAMINATION, 2013**

**(POULTRY MANAGEMENT)**

**120: LAYER MANAGEMENT**

December]

[Time : 3 Hours

**Maximum : 100 Marks**

**I. Choose the Correct Answer:**

**(5 × 1 = 5)**

1. Floor space requirement of layer chick is  
(a) 1 sq. ft.                      (b) 0.75 sq. ft.                      (c) 2 sq. ft.                      (d) 4 sq. ft.
2. Grower mash contains:  
(a) 2,600 kcal/kg of M.E.                      (b) 2,300 kcal/kg of M.E.  
(c) 2,700 kcal/kg of M.E.                      (d) 2,100 kcal/kg of M.E.
3. Commercial hybrid layers produce  
(a) 280 – 300 eggs/year                      (b) 250 eggs/year  
(c) 200 eggs/year                      (d) 320 eggs/year
4. 1 + 1 + 5 pattern denotes:  
(a) One layer house + one grower house + five brooder houses.  
(b) One broiler house + one layer house + one breeder house.  
(c) One chicken house + one turkey house + five quail houses.  
(d) One brooder house + one grower house + five layer houses.
5. Marek's vaccine is given at  
(a) 0 day                      (b) 2<sup>nd</sup> day                      (c) 3<sup>rd</sup> day                      (d) 7<sup>th</sup> day

**II. Fill in the blanks:**

**(10 × 1 = 10)**

1. Livability percentage in layers \_\_\_\_\_.
2. Permissible level of ammonia in deep litter system is \_\_\_\_\_.
3. Curled toe paralysis is due to \_\_\_\_\_ deficiency.
4. Physiological zero temperature is \_\_\_\_\_.
5. Incubation period of chicken egg is \_\_\_\_\_.
6. Lighting requirement for layer is \_\_\_\_\_ day.
7. Energy requirement for layer \_\_\_\_\_.

8. Calcium requirement for layers \_\_\_\_\_.
9. Infectious bursal disease is caused by \_\_\_\_\_.
10. The permissible level of chlorine in drinking water for poultry \_\_\_\_\_.

**III. Define any FIVE of the following:**

**(5 × 2 = 10)**

1. Feed conversion ratio.
2. Perosis.
3. Broodiness.
4. Oviposition.
5. Energy protein ratio.
6. Phase feeding.
7. Anti-dermatitis vitamin.

**IV. Write short notes on any FIVE of the following:**

**(5 × 5 = 25)**

1. List out various diseases affecting layers chickens.
2. Nutritive value of chicken egg.
3. Systems of rearing.
4. Grading of eggs.
5. Water hygiene.
6. Brooder management.
7. Feeding methods for layers.

**V. Write essay on any FIVE of the following:**

**(5 × 10 = 50)**

1. Write a brief note on economic traits of layers.
2. Elaborate on physical requisites of incubation.
3. Prepare a detailed bankable layer farm project report for 1,20,000 layers.
4. Write in detail about the differences between good layer – poor layers.
5. Write the BIS standard nutritional requirements for layers and discuss in detail the steps to reduce the feed wastage in layer farm.
6. Discuss about the disease prevention measures and vaccination schedule for layers.
7. Summer management of layers.

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