

M.Sc. Examination, 2017
Semester-II
Animal Science (Poultry)
Course: PSC-505
(Breeder Stock and Hatchery Management)

Time: Three Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer any five questions

1. What do you mean by incubation? What are the factors essential for incubation? Write down the points to be considered for selection of hatching egg. 2+4+4=10
2. What is brooding? What are the different types of brooding? Mention the brooding temperature of poultry birds. Layout and design a brooder house. 2+2+2+4=10
3. Write in brief regarding the vaccination schedule of layer and broiler birds. 5+5=10
4. Write down the aetiology, symptoms, treatment and prevention of one viral and one bacterial disease of fowl. 5+5=10
5. What do you mean by restricted feeding? How it is done? What do you mean by calorie-protein ratio? 2+4+4=10
6. What is Coccidiosis? How it affects the poultry birds and how can it be controlled? 2+3+5=10
7. Write short notes on (any four)
 - a) Bio-security
 - b) Culling
 - c) Egg bound condition
 - d) Aspergillosis
 - e) Fumigation
 - f) Hatchery waste

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Answer any five questions

1. Enlist the viral diseases of fowl. Mention the route of infection, symptom and treatment along with prevention of the enlisted viral diseases. 3+7=10
2. Write down different foods enriched with carbohydrate, protein and fat. What do you mean by computation of ration? How is it done for layer birds? 4+2+4=10
3. Name four species of coccidia in fowl. Mention the route of infection. How it can be prevented? 4+2+2=10
4. How you can fumigate the incubator before setting the egg? What are temperature and humidity requirement for incubator for different egg? 4+6=10
5. What do you mean by farm routine operation? What is the importance of keeping farm records in layer and broiler farm? 4+6=10
6. Write the meaning of breeder stock. How is it maintained? How is it different from commercial stock? 2+4+4=10
7. Write short notes on (**any four**): 2.5×4=10
 - a) Factors affecting hatchability
 - b) Sterility
 - c) Hatchery borne diseases
 - d) Feeding of breeder stock
 - e) Waste disposal in poultry farm
 - f) Ectoparasitic infestation in poultry

M.Sc. Examination, 2019
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Time: Three Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer any five questions

1. a) What are the different methods of incubation?
b) Write the merits and demerits of the different methods. 4+6=10

2. a) What are the points to be consider for selection of eggs for incubator?
b) Mention the temperature and humidity requirement during Incubation and hatching. 6+4=10

3. a) Enumerate the different brooding systems adopted in poultry.
b) Write down the methods of mating in poultry. 5+5=10

4. a) What are the different types of abnormal eggs?
b) Mention the incubation period (days) and egg weight (gm) for fowl, duck, quail and guinea fowl. 5+5=10

5. a) Write down the different hatchery borne diseases.
b) How it affects the economic aspect in poultry farming? 6+4=10

6. a) How breeder stock is maintained?
b) Mention the silent features of breeder stock. 4+6=10

7. Write short notes on (**any four**): 2.5×4=10
 - a) Brooding Management
 - b) Candling
 - c) Debeaking
 - d) Green diarrhea
 - e) Fumigation
 - f) Hatchability
 - g) Commercial stock

M.Sc. Examination, 2022
Semester-II
Animal Science (Poultry)
Course: PSC-505
(Breeder Stock and Hatchery Management)

Time: Three Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer any five questions

1. Enumerate the different brooding systems adopted in poultry. Write down the methods of mating poultry. 5+5=10
2. What are the different types of abnormal eggs? Mention the incubation period (days) and egg weight (gm) for fowl, duck, quail and guinea fowl. 5+5=10
3. Write down the different hatchery borne diseases. How it affects the economic aspect in poultry farming? 6+4=10
4. What do you mean by incubation? What are the factors essential for incubation? Write down the points to be considered for selection of hatching egg. 2+4+4=10
5. What do you mean by farm routine operation? What is the importance of keeping farm records in layer and broiler farm? 4+6=10
6. Write the meaning of breeder stock. How is it maintained? How is it different from commercial stock? 2+4+4=10
7. Write short notes on (**any four**): 2.5×4=10
 - a) Factors affecting hatchability
 - b) Candling
 - c) Fumigation
 - d) Commercial stock
 - e) Egg bound condition
 - f) Hatchery waste

M.Sc. Examination, 2023
Semester-II
Animal Science (Poultry)
Course: PSC-505
(Breeder Stock and Hatchery Management)

Time: Three Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer any five questions

1. What do you mean by incubation? What are the factors essential for incubation? Write down the points to be considered for selection of hatching egg. 2+4+4=10
2. What is brooding? What are the different types of brooding? Mention the brooding temperature of poultry birds. Layout and design a brooder house. 2+2+2+4=10
3. Write the meaning of breeder stock. How is it maintained? How is it different from commercial stock? 2+4+4=10
4. Write down the different hatchery borne diseases. How it affects the economic aspect in poultry farming? 6+4=10
5. What do you mean by Hatchability? What is the hatching percentage of different poultry? How can you improve the hatching percentage in poultry? 2+4+4=10
6. What are the points to be considered for higher hatching percentage? Mention regarding the housing arrangement of breeder stock. 5+5=10
7. Write short notes on (any four): 2.5×4=10
 - a) Bio-security
 - b) Aspergillosis
 - c) Feeding of breeder stock
 - d) Waste disposal in breeder house
 - e) Micro-climate for breeder house
 - f) Importance of ventilation in poultry house