

1128

B. Voc. (Agri-Business and Agrarian Entrepreneurship)
Third Semester
ASC-305: Hatchery Management

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Attempt the following:-

- a) What is hatchery?
- b) Name 2 exotic egg laying breeds
- c) Name the optimum conditions for incubation of eggs.
- d) Define egg culling.
- e) What is meant by pulling the hatch?
- f) Define candling
- g) Name the different parts of an egg
- h) Name the different components of a hatchery (8x1)

UNIT – I

- II.
 - a) Describe the process of embryo development briefly.
 - b) What are the characteristics of good quality hatching eggs? (4,4)
- III.
 - a) What are the precautions followed for maintaining the hatching egg quality.
 - b) Describe the structure of an egg. (4,4)

UNIT – II

- IV.
 - a) Describe in brief the storage and transport of eggs done?
 - b) How is fumigation of incubators done? (4,4)
- V. Write brief notes on:-
 - a) Incubation methods
 - b) Hatchery equipments (4,4)

(2)

UNIT – III

- VI. a) Discuss the location, layout and internal design of the hatchery building.
b) Describe briefly the pre-hatching operating procedures followed in a hatchery. (4,4)
- VII. a) Describe the steps involved in post hatching management of poultry birds.
b) Discuss the criteria followed for selection of hatching eggs and care taken during selection. (4,4)

UNIT – IV

- VIII. a) Describe the types of wastes generated and the methods of waste management in a hatchery in brief.
b) How is calculation of fertility done and discuss the factors affecting fertility. (4,4)
- IX. a) What are the different sanitization methods followed in a hatchery?
b) What is hatchability? Discuss the different factors affecting hatchability of eggs. (4,4)

x-x-x