

C 21115

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2017

(CUCBCSS—UG)

Zoology

ZOL 6B 15 (E2)—AQUACULTURE, ANIMAL HUSBANDRY AND POULTRY SCIENCE

Time : Three Hours

Maximum : 80 Marks

A Answer *all* questions. Each carries 1 mark.

- 1 Name the salt resistant rice variety that allows the co-culture of prawns in paddy fields.
- 2 Raft culture is best suited for culturing _____.
- 3 The hormone used for inducing ovulation in fishes is _____.
- 4 The scientific name of gold fish is _____.
- 5 Name any two of the Indian major carps used for aquaculture.
- 6 Name the two major vitamins found in fish liver oil.
- 7 Chicken raised for meat are called _____.
- 8 What is candling ?
- 9 Give the name of the cattle that is native to Kerala.
- 10 What causes foot and mouth disease ?

(10 × 1 = 10 marks)

B Answer *any ten* questions in two or three sentences each. Each carries 2 marks.

- 11 What are the desirable features in a fish that is selected for aquaculture ?
- 12 What is sonar ? How does it help in capture fisheries ?
- 13 What is the importance of dissolved oxygen in an aquaculture system ?
- 14 What are the precautions to be take before releasing fingerlings into a rearing pond ?
- 15 What is composite aquaculture ?
- 16 How does the ban on trawling during monsoon help capture fisheries ?
- 17 Highlight the importance of the hen's egg as a food material.
- 18 What are the advantages of rearing indigenous poultry varieties ?
- 19 What is free range poultry farming ? What are its advantages ?
- 20 What is Pasteurisation ?
- 21 Write a short note on anthrax.
- 22 How does zoonotic diseases affect domestic cattle ?

(10 × 2 = 20 marks)

Turn over

C Answer *any five* questions in not more than a paragraph each. Each carries 6 marks.

- 23 How will you assess the quality of water in an aquaculture system ?
- 24 Describe how a pond is prepared for fresh water aquaculture.
- 25 How will you prepare and maintain an indoor ornamental aquarium ?
- 26 Describe the processes involved in pearl culture.
- 27 How is integrated farming carried out ?
- 28 Write a brief essay on different types of housing in poultry keeping.
- 29 How is the quality of milk tested ?
- 30 What are the desirable features in an abattoir ?

(5 × 6 = 30 marks)

D Write essays on *any two* of the following. Each carries 10 marks.

- 31 Describe how prawns are cultured.
- 32 Discuss in detail the various fishing gears used in capture fisheries.
- 33 How will you carry out a profitable poultry farming business ?
- 34 Give an overview of the Indian breeds of cattle and describe how they can be improved for better dairy practices.

(2 × 10 = 20 marks)