

(6 pages)

Reg. No. :

Code No. : 5458

Sub. Code : ZZOE 41

M.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2023

Fourth Semester

Zoology

Elective — AQUACULTURE

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Identify the tent related with Aquaculture
 - (a) Green revolution
 - (b) Brown revolution
 - (c) White revolution
 - (d) Blue revolution

7. Name a small pond which is used to isolate and keep the diseased fish.
 - (a) Sluice gate
 - (b) Hospital pond
 - (c) Nursery pond
 - (d) Rearing pond
8. Name of the platform area which is present between the wet space and water area.
 - (a) berm
 - (b) inlets
 - (c) outlets
 - (d) dry slope
9. Match the following with Calcium and phosphorus deficiency.
 - (a) Turner syndrome
 - (b) Soft shell syndrome
 - (c) Dwarfism
 - (d) Down syndrome
10. Match the flow of fish and money in fish marketing is _____.
 - (a) Marketing channel
 - (b) Fish farms
 - (c) Commission agents
 - (d) None

Page 3

Code No. : 5458

2. FSI stands for _____.
 - (a) India fast service
 - (b) Fishery survey of India
 - (c) Fast service
 - (d) None
3. Match the following with Pearl
 - (a) Phosphate
 - (b) Calcium
 - (c) Nacre
 - (d) Carbon
4. Select the name give to the rearing of single species in water
 - (a) Monoculture
 - (b) Polyculture
 - (c) Poly sex culture
 - (d) None of above
5. Identify the following which helps to control the pH in open system of seed fish transport.
 - (a) Banana Juice
 - (b) Grape juice
 - (c) Apple
 - (d) Lemon juice
6. Name the traditional fishing craft of Kerala
 - (a) Kattumaram
 - (b) Boats
 - (c) Gill nets
 - (d) Trawlers

Page 2

Code No. : 5458

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Summarize an abiotic factors of lake necessary for fish life.

Or

 - (b) Interpret the scope of aquaculture.
12. (a) Discuss in detail about the Paddy cum fish culture.

Or

 - (b) Explain the weed culture.
13. (a) Illustrate the different methods of seed fish transport.

Or

 - (b) Explain the transgenic fish.
14. (a) Summarize the by products of fish and its uses.

Or

 - (b) Order the site selection for fish ponds.

Page 4

Code No. : 5458

[P.T.O.]

15. (a) Write the causatives, symptoms of infectious pancreatic necrosis.

Or

- (b) Write about the fungal disease and its control measures.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss an importance of aquaculture.

Or

- (b) Summarize the fishery resources in India.

17. (a) Write the different steps in Oyster culture.

Or

- (b) Explain the sewage fed fish culture.

18. (a) Explain the types of crafts.

Or

- (b) Predict the role of biotechnology in conservation of fish.

19. (a) Summarize the construction of ponds.

Or

- (b) Defend the preservation of fish.

20. (a) Write an effect of water pollution on fisheries and its control measures.

Or

- (b) Write the causative agent, symptoms and control measures of Epizootic ulcerative syndrome.