

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Write the abiotic factors of water need for fish life.

Or

- (b) Illustrate the ecological characters of lakes.

17. (a) Write a note on fresh water prawn culture.

Or

- (b) Discuss in detail about sea-weed culture.

18. (a) List out the types of gears used for fish catching.

Or

- (b) Explain in detail about hypophysation.

19. (a) Elucidate the construction of fish farm.

Or

- (b) Illustrate the methods of fish preservation.

20. (a) Explain the construction of different types of fish ponds.

Or

- (b) List out the common fungal diseases of fish.

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Reg. No. :

Code No.: 5458

Sub. Code: ZZOE 41

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2024.

Fourth Semester

Zoology

Elective : AQUACULTURE

(For those who joined in July 2021-2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. National fisheries development board is located in _____.

- (a) Goa (b) Mumbai
(c) Chennai (d) Hyderabad

2. Pisciculture is rearing and production of _____.

- (a) Birds
(b) Reptiles
(c) Fishes
(d) Wool yielding animals



3. The composite fish culture system is a technology developed by _____.
 (a) Central Marine Fisheries Research Institute
 (b) National Fisheries Development Board
 (c) Indian Council of Agricultural Research
 (d) None of the above
4. The edible seaweed are rich in
 (a) Carbohydrate (b) Protein
 (c) Lipid (d) Vitamins
5. Gene transfer technology in fish has lagged behind that in _____.
 (a) Bacteria (b) Virus
 (c) Mammals (d) Plants
6. Transgenic fish lines are created by _____ of DNA into the genome.
 (a) Excision (b) Partial attachment
 (c) Inactivation (d) Integration
7. Simplest method of curing fish is
 (a) drying (b) salting
 (c) freezing (d) smoking
8. Find the perimeter of rectangular fish pond having 60 m lengths and 40 m widths?
 (a) 4800 m (b) 200 m
 (c) 480 m (d) 3600 m
9. Which one of the following is a fungal disease of fish?
 (a) ulcer (b) fin rot
 (c) knot disease (d) water mould disease

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10. Gill rot disease is caused by _____.
 (a) Nematode (b) Branchiomycosis
 (c) Bacterium (d) Crustacean

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
 Each answer should not exceed 250 words.

11. (a) Summarise the cultivable fishes in India.
 Or
 (b) Illustrate the ecological characters of reservoirs.
12. (a) Discuss the pond management in fresh water prawn culture.
 Or
 (b) Explain about pearl formation.
13. (a) List out the factors influencing induced breeding.
 Or
 (b) Explain the role of biotechnology in conservation of fish.
14. (a) Write a note on fish farm layout.
 Or
 (b) Illustrate the long duration fish preservation methods.
15. (a) Discuss the nutritional value of preserved and processed fish.
 Or
 (b) Write short note on saprolegniasis.

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