

**M.Sc. 3rd Semester Examination, 2022**

**FISHERIES SCIENCE**

**PAPER – FSC-304(U1 & U2)(CBCS)**

[Elective Course]

*Full Marks : 40*

*Time : 2 hours*

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

**UNIT – I**

*(Aquaculture Technology)*

[ Marks : 20 ]

**A. Answer any two questions of the following : 2 × 2**

1. What is vessel monitoring system ?

2. Write short note on bundh breeding.

3. What is Isinglass ? Mention it uses.

4. Mention the uses of Chitosan.

B. Answer any **two** questions of the following :  $4 \times 2$

5. Briefly narrate the ideal characteristics of a floats and Sinkers.

6. Describe different life saving appliances used in fishing vessels.

7. Draw the schematic diagram of fish pituitary gland showing different cell types.

8. Briefly discuss hybridization in fish with suitable examples.

C. Answer any **one** question of the following :  $8 \times 1$

9. (a) Write a note on maintenance and preservation of fishing gears.

(b) What is hypophylation technique ? Write the procedure for crude pituitary gland extract preparation. 4 + 4

10. (a) How to prepare fish body oil ?

(b) Write down the procedure of prawn pickle preparation. 4 + 4

### UNIT – II

*(Fisheries Entrepreneurship Development)*

[ Marks : 20 ]

D. Answer any two questions of the following :  $2 \times 2$

11. Write short note on Indian Fisheries Act, 1897.

12. Name any four Central Fisheries Legislation of India.

13. State the trickle down system of fisheries extension.

14. What are the components of National Schemes for welfare of fishermen ?

E. Answer any two questions of the following :  $4 \times 2$

15. Write a note on Merchant Shipping Act, 1958.

16. Briefly discuss on Coastal Aquaculture Authority Act, 2005.

17. Mention the criteria of a good Entrepreneur.

18. Briefly narrate the importance of cooperatives for fisheries development.

F. Answer any one question :  $8 \times 1$

19. (a) Enlist different extension oriented principles.

(b) Discuss the extension learning methods.

$4 + 4$

20. (a) Describe the role of NGO in fisheries sectors.