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PG/IIIS/FSC/304 (U1&U2)  
/24(CBCS)

**M. Sc. 3rd Semester Examination, 2024**

**FISHERIES SCIENCE**

**PAPER — FSC-304 (Unit-1, & Unit-2) (CBCS)**

*Full Marks : 50*

*Time : 2 hours*

**Answer all questions**

*The figures in the right hand margin indicate marks*

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

**PAPER — FSC-304 (Unit-1)**

*( Elective course : Aquaculture Technology )*

**[Marks : 20]**

**1. Answer any two of the following :            2 × 2**

**(a) Name two hormones secreted from  
adenohypophysis.**

*( Turn Over )*

- (b) What do you mean by wet bundh and dry bundh ?
- (c) Write the characteristics of float and sinker and mention their importance.
- (d) State on active and passive gear with example.
2. Answer any *two* of the following :  $4 \times 2$
- (a) Write a note on brood-stock management of Indian Major Carps (IMCs).
- (b) Briefly discuss inter-generic hybridization in fish. Discuss its advantages.  $3 + 1$
- (c) Give an account on different gear building materials.
- (d) Write notes on different fishing traps used in West Bengal.

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

(a) What is Hypophysation technique ?  
Briefly discuss the methods of preparation of crude pituitary gland extract.

(b) Make a list of materials used for fishing craft construction. Write a note on the different gear preservation methods.  $4 + 4$

**PAPER — FSC-304 (Unit-2)**

( *Fisheries Entrepreneurship Development* )

[Marks : 20]

4 . Answer any *two* questions from the following :

(a) What are the aims and objectives of PMMSY ?  $2 \times 2$

(b) Write short note on Indian Fisheries Act, 1897.

( 4 )

- (c) Briefly discuss on the importance of closed fishing season.
- (d) Mention the characteristics of a good Entrepreneurs in fisheries sector.
5. Answer any *two* questions from the following : 4 × 2
- (a) Give an account on the fisheries education in India.
- (b) Write a note on fisheries co-operative.
- (c) Mention the Marine resources of India.
- (d) Write the objectives of Merchant Shipping Act, 1958.
6. Answer any *one* question from the following : 8 × 1
- (a) Give an account on the different principles of fisheries extension. Discuss the extension education process in fisheries sector. 4 + 4

( 5 )

- (b) (i) Briefly discuss on objectives of MPEDA Act, 1972. 4
- (ii) Write a note on Coastal Aquaculture Act, 2005. 4

**[ Internal Assessment – 10 Marks]**

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