

M.Sc. 4th Semester Examination, 2013

**AQUACULTURE MANAGEMENT AND
TECHNOLOGY**

*(Fisheries Legislation, Statistics, Computer
Application and Business Management)*

PAPER—AMT-404

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*

Illustrate the answers wherever necessary

1. Answer four of the following questions : 2×4
 - (a) Write short note on operating system of a computer.
 - (b) Name different storage devices used in computer.

(Turn Over)

- (c) What do you mean by level of significance ?
 - (d) Explain degree of freedom.
 - (e) Enlist the Maritime states of India.
 - (f) Point out the function of fishery co-operatives.
 - (g) State the importance of EEZ.
 - (h) Write down the objective of the Merchant Shipping Act, 1958 and its amendments.
2. Answer any *four* of the following questions : 4 × 4
- (a) Mention different central fisheries legislation of India.
 - (b) Briefly discuss about the Maritime zones of India Act, 1981.
 - (c) Write a note on code of conduct for Responsible Fisheries (CCRF).
 - (d) Name the Indian financial institutions extending credit support to fisheries sector.

(3)

- (e) Point out the causes of less credit flow in the fisheries sector.
- (f) What are the different steps of project formulation ?
- (g) Explain 'Median' and 'Mode'.
- (h) Calculate the arithmetic mean for the following data :

Class interval	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	03	05	10	15	05	12

3. Answer any *two* of the following : 8 × 2

- (a) Give an account of the Marine Fishing Regulation Act. What are the regulations for the territorial water imposed by the Govt. of West Bengal under this Act ? 3 + 5
- (b) Write notes on : 4 + 4
- (i) Highlights of the Indian Fisheries Act, 1897
- (ii) Role of NABARD in development of fisheries.

(4)

- (c) Work out 't' test to find whether or not the mean gill weights (gm) differ in the following two groups of samples of 10 species of *Labeo rohita* from two habitats.

	1	2	3	4	5	6	7	8	9	10
Group X	100	80	65	75	110	75	95	78	80	92
Group Y	77	63	68	70	55	62	75	70	60	80

Critical 't' scores

$$t_{0.05(19)} = 2.093 \quad t_{0.05(18)} = 2.101$$

$$t_{0.05(9)} = 2.262 \quad t_{0.05(8)} = 2.306 \quad 8$$

- (d) Write in brief of the following : 4 + 4

(i) The Marine Products Export Development Act, 1972

(ii) The Coastal Aquaculture Authority Act, 2005.