

**2009**

**M.Sc.**

**4th Semester Examination**

**AQUACULTURE MANAGEMENT AND TECHNOLOGY**

**PAPER—AMT-4004**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

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

*Illustrate the answers wherever necessary.*

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

1. Answer four of the following questions : 2×4
- (a) Differentiate between Arithmetic Mean and Geometric Mean.
  - (b) What do you mean by level of significance ?
  - (c) Define Cumulative frequency.

*(Turn Over)*

- (d) Give two examples of input and output devices of a computer.
- (e) Write down the functions of CPU.
- (f) Define EEZ.
- (g) What is bi-nomial distribution?
- (h) What do you mean by Computer terminal?

2. Answer *four* of the following questions : 4×4

- (a) What do you mean by Pie diagram? State its application.
- (b) What are the functions of State Fisheries Development Corporation (SFDC)?
- (c) State the functionaries of Marine Product Export Development Authority (MPEDA).
- (d) Discuss the marine fishing policy, 2004.
- (e) Explain the Indian Fisheries Act, 1897.
- (f) What is SD? State the properties of SD. Add a note on its application.

(g) What do you mean by bivariate correlation? Differentiate it from partial correlation. State the uses of correlation.

(h) Draw block diagram of a computer. Differentiate between primary and secondary memory. Add a note on index number.

3. Answer two questions from the following : 8×2

(a) What is meant by SEM? Calculate the SEM of freshwater prawn (*Macrobrachium rosenbergii*) from following data set :

Length of Prawn (Cm.)	190–200	200–210	210–220	220–230
No. of Prawn	12	16	13	14

Length of Prawn (Cm.)	230–240	240–250	250–260	260–270
No. of Prawn	11	15	12	10

Length of Prawn (Cm.)	270–280	280–290	290–300
No. of Prawn	9	14	16

- (b) Discuss the project formulation based on the (i) Objectives ; (ii) Evaluation ; (iii) Implementation and (iv) Final analysis.
- (c) Define student 't'-test. Explain 't' test for interpreting experimental results. Add a note of Confidence limit or Null hypothesis.
- (d) Enlist the names of various financial institutions involved in fishery sector. Describe the organizational set-up for fisheries in State Government.
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