M.Sc. 4th Semester Examination, 2011

AQUACULTURE MANAGEMENT AND TECHNOLOGY

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

PAPER—AMT-4004

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 :   2 × 4

   (a) What is LAN ?

   (b) Differentiate between standard deviation and standard error.

   (c) Define index number.

(d) Write the functions of keyboard of a computer.

(e) What is IP address ?

(f) Differentiate line chart from Bar Chart.

(g) What are the different measures of central tendency ?

(h) State the significance of FFDA.

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

   (a) What are Coastal Regulation Zone (CRZ) ?

   (b) Explain Indian Fisheries Act, 1976.

   (c) Briefly describe the Fisheries Administration of West Bengal Govt.

   (d) What are the different units of a computer.

   (e) Explain output devices of a computer.

   (f) What are recurring and non-recurring coasts ?

   (g) Prove that sum of the deviations of the given values from their Arithmetic mean is '0'.

(*Continued*)

(h) What are the merits and limitation of Standard Deviation (SD) ?

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

(a) Prove that arithmetic mean depends upon both the change of origin and scale. Draw the ogives ($\leq$) for the following distribution of body length (cm) in an arithmetic test. 8

Midpoint	frequency
5	3
12	15
19	37
26	33
33	10
40	2

(b) Prove that coefficient of correlation does not depend upon the change of origin and scale. Find out the correlation coefficient from the following data : 8

α —	12	9	8	10	11	13	7
γ —	14	8	6	9	11	12	3

(c) What are the objectives of project formulation? State the financial components involved in project formulation. Add a note on their evaluation.   2 + 4 + 2

(d) Write short notes (any *two*) :   4 × 2

    (i) Test of significance

    (ii) Importance of linear regression

    (iii) Indian EEZ

    (iv) NABARD.