

2016

**AQUACULTURE MANAGEMENT**

[ Honours ]

PAPER – VI

Full Marks : 90

Time : 4 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 ten questions from the following :  $2 \times 10$
- (i) What is central tendency ?
  - (ii) What do you mean by WAN and LAN ?
  - (iii) Explain fixed cost and variable cost.
  - (iv) What are the different stages in project cycle ?

( Turn Over )

- (v) State the advantages of chi square test.
- (vi) Define fisher folk.
- (vii) Point out the problems in domestic fish market.
- (viii) Write the uses of computer anti-viruses.
- (ix) State the functions of CPU of a computer.
- (x) State the objectives of fisheries co-operatives.
- (xi) What is SHG (Self Help Group) ?
- (xii) Explain the analysis of variance.
- (xiii) What is capital budgeting ?
- (xiv) What is hypothesis testing ?
- (xv) What is market equilibrium ?

GROUP – A

2. Answer *two* questions from the following :  $10 \times 2$

- (a) (i) Distinguish between a population and

a sample. What do you mean by frequency distribution ?

(ii) What is pie-diagram ? Briefly explain with example. (3 + 3) + 4

(b) What do you mean by standard error of mean ? The weight (g) of 35 individual fish species of a pond was recorded as :

85, 87, 96, 125, 88, 143, 151, 136, 127, 132, 132, 120, 138, 119, 104, 113, 90, 126, 123, 121, 133, 104, 99, 112, 129, 107, 139, 122, 137, 112, 121, 140, 134, 113 and 123.

Summarize this data with a frequency distribution table and calculate their Arithmetic mean. 2 + 8

(c) (i) Describe the role of FFDA for development of aquaculture in West Bengal.

(ii) Write a note on the domestic market chain of fishery product.

(iii) What do you mean by Participatory Rural Appraisal (PRA) ? Explain in brief. 3 + 3 + 4

(d) Briefly explain histogram with examples. 10

3. Answer any *one* of the following : 15 × 1

(a) (i) Write a note on operating system of a computer.

(ii) Write briefly application of software packages in stock assessment.

(iii) Write the name of different types of computer Hardware and mention their functions. 2 + 6 + 7

(b) (i) What is consumers surplus ?

(ii) Differentiate demand and supply.

(iii) What are the factors of production ?

(iv) Briefly explain the employment opportunities in fishery sector. 2 + 3 + 2 + 8

GROUP – B

4. Answer *two* questions from the following : 10 × 2

(a) (i) What are the teaching and learning ?

- (ii) Discuss about the demographic profile of fisher folk communities.
- (iii) Enlist name of NGO's involved in fisheries of West Bengal. 2 + 6 + 2
- (b) (i) What are the objectives of SHG formation?
- (ii) Briefly explain the principle and planning of fisheries extension program in India. 3 + 7
- (c) (i) Explain the functions of KVK for fisheries development in West Bengal.
- (ii) Discuss the role of WBCADC for fisheries extension in West Bengal. 5 + 5
- (d) (i) Differentiate between Formal education and extension education.
- (ii) Discuss the role of NGOs in fisheries development in India. 5 + 5
5. Answer any *one* of the following : 15 × 1
- (a) (i) State the functions of formal and

informal rural institution in India related to fisheries activities.

(ii) Add a note on community based fisheries development. 10 + 5

(b) (i) Write a note on Socio-economic condition of fishermen in South-West Bengal.

(ii) Describe Export marketing for fish and fishery products.

(iii) Briefly discuss about the structure of a typical fish market. 6 + 6 + 3