2017

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

[NEW SYLLABUS]

1. Answer any *ten* questions from the following :

                                             2 × 10

   (*i*) What is sample ?

(*ii*) Define population.

(*iii*) What is micro and macro economics ?

(iv) Define price.

(*v*) What is fixed cost and variable cost ?

(*vi*) What is computer virus ?

(*vii*) What is capital budgeting ?

(*viii*)Distinguish software and hardware.

(*ix*) What is correlation coefficient ?

(*x*) Write difference between RAM and ROM.

(*xi*) What is histogram ?

(*xii*) What is central tendency ?

(*xiii*)What is community health ?

(*xiv*) What is null hypothesis ?

(*xv*) What is consumer surplus ?

(3)

GROUP – A

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

  (a) Write short notes : $2\frac{1}{2} \times 4$

    (i) Arithmetic Mean (AM)

    (ii) Variance

    (iii) E-mail

    (iv) Input devices.

  (b) (i) What is stock assessment ?   2

    (ii) Mention the application of software packages used in fisheries statistics and stock assessment.   6

    (iii) Write full form of VDU, ALU, EPROM and BFDA.   2

  (c) (i) What do you mean by chi-square test ?   2

    (ii) Find the standard deviation (SD) and coefficient of variation from the following table given weight of 230 persons :   8

Weights	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150
No. of persons	12	18	35	42	50	45	20	8

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

  (*a*) (*i*) What is computer operating system ? Mention its type.   2 + 1

     (*ii*) Write short note on DOS and WINDOWS.   3 + 3

     (*iii*) State the merits and demerits of e-mail.   4

     (*iv*) Classify different types of computer.   2

  (*b*) (*i*) What are the necessary components of fish marketing ?   2

     (*ii*) Define market equilibrium and classify market types.   2 + 2

     (*iii*) Write briefly about strategies of export marketing for fishery product.   4

     (*iv*) What is law of demand ? Explain it.   5

GROUP – B

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

   (a) (i) Define proteolytic and lypolytic bacteria with example.   3

       (ii) What is endospore ?   2

       (iii) What is HACCP ?   1

       (iv) Mention different steps involved in HACCP Plan.   4

   (b) (i) What are the role of women in fisheries extension and development ?   4

       (ii) Write different planning programme for fisheries extension.   3

       (iii) Discuss the role of FFDA in fisheries development.   3

   (c) (i) What is rural Sociology ?   2

       (ii) Write the present scenario of West Bengal marine fisher folk-for the development of their socio-economic status.   5

       (iii) Mention the role of fisheries extension in fisheries education in India.   3

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

    (*a*) (*i*) Classify bacteria depending on temperature. Give example. 3 + 1

       (*ii*) Mention different quality management steps taken in fish processing industries. 4

       (*iii*) Write short notes on waste management in fish processing industry. 4

       (*iv*) Define Halophilic and Saccharolytic bacteria with example. 3

    (*b*) (*i*) What is meant by fisheries extension ? 2

       (*ii*) What are the objectives of fisheries extension programme ? 3

       (*iii*) Mention your views about teaching and learning methods in fisheries. 3

       (*iv*) What are the benefits of rapid rural appraisal technique ? 2

       (*v*) Discuss the role of WBCADC for fisheries extension in West Bengal. 5