

2018

M.Sc.

4th Semester Examination

FISHERIES SCIENCE

PAPER—FSC-402

Subject Code—28

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

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

Illustrate the answers wherever necessary.

Unit—I

(Fisheries Statistics and Research Methodology)

1. Answer any *two* questions from the following : 2×2
- (a) What is research ? State the objectives of research.
 - (b) Define mode with example. Mention its drawbacks.
 - (c) Define hypothesis and Law.

(Turn Over)

(d) What is standard error of mean ?

2. Answer any *two* questions from the following : 2X4

(a) Discuss about pie diagram.

(b) Write down the importance of statistics in research.

(c) State about different parts of a data table.

(d) Find out the correlation Co-efficient of the following data collected from *Cirrhinus mrigala*.

Length(cm)	65	66	67	67	68	69	70	72
Weight(g)	67	68	65	68	72	72	69	71

3. Answer any *one* question from the following : 1x8

(a) (i) State about pure research and applied research.

(ii) Write down the different steps of the research process.

(iii) State the importance of Literature review.

(iv) Add a note on the process of collection for review of literature. 2+2+2+2

- (b) (i) State the important properties of standard deviation.
- (ii) For a group of 50 *Labeo rohita* fish the mean score and the standard deviation of scores on a test are 59.5 and 8.39. For a group of 40 *Catla Catla* fish the same results are 54 and 8.23. Find out the mean and SD of the combined group of 90 fishes.
- (iii) Add a note on Coefficient of Variation. 2+4+2

Unit—II

(Fisheries Legislation, Computer and Bioinformatics)

4. Answer any *two* questions from the following : 2×2
- (a) Mention different central fisheries legislation of India.
- (b) Write a note on marine fisheries resources of India.
- (c) Name the components of a data communication system.
- (d) State the objectives of MPEDA Act, 1972.
5. Answer any *two* questions of the following : 2×4
- (a) Highlight the Indian Fisheries Act 1897.
- (b) What do you mean by software ? Explain with examples.

- (c) Briefly discuss the code of conduct for responsible fisheries.
- (d) Write a note on the Merchant Shipping Act, 1958.

6. Answer any *one* question of the following : 1×8

(a) (i) Discuss about the model bill on inland fisheries and Aquaculture, 2005.

(ii) Write a note on the Coast Guard Act, 1972.

(iii) Briefly write on the wildlife (protection) Act, 1972.

4+2+2

(b) (i) Write down the name of various functional units of computer software.

(ii) What is CPU ? Write the main logical units of CPU.

(iii) Write a note on input devices of a computer.

(iv) Briefly write on different types of computer.

2+2+2+2