

M.Sc. 1st Semester Examination, 2024

FISHERIES SCIENCE

(Fisheries Legislation & Bioinformatics)

PAPER—FSC-102

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

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

GROUP – A

1. Answer any *two* questions from the following : 2 × 2
- (a) Write short note on function of MPEDA Act, 1972.
- (b) Write the principle of CRZ.

- (c) What are the needs of bioinformatics ?
- (d) Define the term database and DBMS.

GROUP – B

2. Answer any *two* questions from the following : 4×2
- (a) What do you know about the rules of Coastal Aquaculture ?
 - (b) Give an account of the rules under Inland Fisheries Act.
 - (c) Write notes on Protein Data Bank (PDB) and GenBank.
 - (d) Briefly describe the features of primary and secondary databases with examples.

GROUP – C

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

8 × 1

(a) Briefly discuss on Marine Fishing Regulations Act, 1978 ? What are the recommendations of Murari Committee, 1995 ?

4 + 4

(b) List the sources of biological data. Give two examples for each. Explain the use of BLAST and FASTA with examples.

(3 + 1) + 4

[Internal Assessment – 5 Marks]
