

M.Sc. 1st Semester Examination, 2024

FISHERIES SCIENCE

*(Geographic Distribution, Adaptation
and Evolution of Fishes)*

PAPER — FSC-104

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) Define zoo-geography.

- (b) Write scientific name of two marine and two brackish water fishes.
- (c) What do you mean by agnathan ? Give an example.
- (d) Write name of two Dipnoans fishes.

GROUP – B

2. Answer any *two* of the following questions : 4 × 2
- (a) Write the adaptive feature of fishes (morphometre).
 - (b) Write the name of two most diversified zoo-geographical realms with their found composition.
 - (c) How the marine fishes can regulate their osmolarity ?
 - (d) Write the characteristic feature of the fish order-cypriniformes with example.

GROUP – C

3. Answer any *one* of the following questions : 8 × 1
- (a) Discuss different types of migration exhibited by fishes. Briefly describe the factors that affect fish migration. 4 + 4
- (b) Write the evolutionary significance of the following fishes
- (i) Chimaeras
- (ii) Living fossils of fishes.

[Internal Assessment – 5 Marks]
