M.Sc. 1st Semester Examination, 2024

FISHERIES SCIENCE

(Oceanography, Remote Sensing & GIS and Disaster Management)

PAPER – FSC-108

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* of the following questions :

   2×2

   (a) What do you mean by upwelling and outwelling ?

(b) State on GIS and remote sensing.

(c) Name any two important ocean currents. Write the importance of ocean currents.

(d) What do you mean by natural disaster ? Give two examples that impact aquaculture in West Bengal.

GROUP — B

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

(a) Discuss the pre and post-disaster management of coastal aqua farms.

(b) Briefly explain different types of platforms used for remote sensing with examples.

(c) Discuss different anthropogenic impacts and management in the ocean.

(*d*) Explain briefly about major components of GIS.

GROUP – C

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

8×1

(*a*) Give an account of the Indian Ocean. Discuss the different zonation in the ocean. How does salinity change with the ocean depth ? $2 + 4 + 2$

(*b*) Write notes on : $4 + 4$

   (*i*) Application of remote sensing in fishery

   (*ii*) Importance of satellite imaging in fishery.

[**Internal Assessment — 5 Marks**]

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