



2025

5th Semester Examination

4-Years B.F.Sc.

Paper : BFSC-503

**(Coastal Zone Management
and Disaster Management)**

Dayan

Full Marks : 50

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

1. Answer any *ten* questions :

2×10=20

(a) What is ecotone zone?

(b) Define Hazard. Give an example of chemical hazard.

(c) What is invasive fish? Give an example.

(d) What do you mean GIS?

(e) Write a short note on algal bloom.

(f) Name two satellites involved in coastal zone management through remote sensing.



(2)

(g) How do avalanches affect mountain streams and lakes?

✓(h) State the objectives of ICZM program in India.

✓(i) Write the different causes of habitat destruction for fish.

✓(j) Write the impacts of Cyclones on Aquaculture.

✓(k) Mention the primary goals of First-Aid.

✓(l) Elucidate the concept 'BRDs (Bycatch Reduction Devices)'.

(m) Name the CRZ categories applicable to mainland and island coastal areas of India.

✓(n) Mention two tropical cyclones and the Indian States impacted by them.

✓(o) What is a marine sanctuary? Mention one example.

Group - B

2. Answer any *six* questions :

5×6=30

✓(a) Why mangroves are considered amongst the world's most productive marine ecosystems?

✓(b) Briefly describe the Environmental Impact Assessment processes (EIA) in India.

✓(c) Explain the pre-disaster management activities in aquaculture activity and their role in reducing the impact of natural disasters.

rough



(3)

✓(d) Explain the different types of overfishing. Discuss their impacts on fisheries and aquatic ecosystems.

3+2

✓(e) Discuss the management of weather forecasting system in different levels.

1+4

✓(f) State the principle of Remote Sensing. Point out the applications of remote sensing in Coastal Aquaculture.

2½+2½

✓(g) Discuss in brief the biotic communities and fishery of the Mahanadi estuary.

(h) Explain the prevalent national and global management practices in disaster management.

2+3

✓(i) What are fire-fighting devices? Describe any four commonly used on-board fire-fighting devices of a marine fishing craft.

(j) Describe the disaster response and recovery systems at the national, state, and local levels.
