

2023

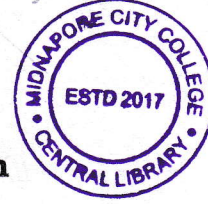
BFSC 5th Semester Examination

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

PAPER — BFSC-503

Full Marks : 50

Time : 2 hours



Integrity

The figures in the right-hand margin indicate marks.

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

Illustrate the answers wherever necessary.

1. Answer **any ten** from the following questions :
2×10=20

- ~~(a)~~ State the driving forces of coastal areas.
- ~~(b)~~ Which body is responsible for disaster management in India?
- (c) Why is estuarine ecosystem considered as most productive aquatic system?

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(Turn Over)

(2)

- (a) What do you mean by non-structural mitigation measurement?
- (e) Mention the States of India that are impacted by the tropical cyclones.
- (f) Why is wetland ecosystem regarded as a 'Biological Supermarket'?
- (g) State the problems of fisheries in the Integrated Coastal Zone Management (ICZM) context.
- (h) What is the aim of disaster management in India?
- (i) Write down the different roles of remote sensing in coastal management.
- (j) Point out the difference between 'bog' and 'fen'.
- (k) What are lagoons? Mention the names of two lagoons found in India.
- (l) What do you mean by Coriolis effect?
- (m) Mention the primary goal of First Aid.
- (n) Write a short note on Socio-economic Vulnerability.
- (o) Write down the full form of WMO and UNDRR.

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(Continued)



(3)

2. Answer any six from the following questions :
5×6=30
- (a) Mention the names of different residents and migrant species found in Hooghly Matha Estuary. 5
- (b) State the applications of GIS in aquatic resource identification. 5
- (c) Write down the objectives of Coastal Regulation Zone Act. Classify CRZ Act based on their ecological sensitivity and the degree of regulation. 2+3=5
- (d) Mention the different principles of Integrated Coastal Zone Management. 5
- (e) Describe the different natural and man-made hazards in fisheries and aquaculture. 5
- (f) Briefly discuss the measures of safety at sea. 5
- (g) What is cyclone? Mention the different causes of cyclone. 2+3=5
- (h) Briefly describe the process of Environmental Impact Assessment. 5

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(Turn Over)

(4)

(i) Write short notes on the following :

$$2\frac{1}{2}+2\frac{1}{2}=5$$

(i) El-Nino

(ii) Algal blooms

(ii) Describe different life-saving appliances involving water-related emergencies. 5

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