

2022

B.F.Sc. 3rd Semester Examination

Marine Biology

PAPER — BFSC-302

Full Marks : 50

Time : 2 hours



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) Mention the causes of red tide in ocean.
(b) What is bio-fouling?
(c) Write name of two crabs found in Digha Coast.
(d) Write the scientific names of four important ornamental gastropod.



(2)

- (e) State bacterioplankton and ichthyoplankton with example.
- (f) What is algal bloom?
- (g) Mention the important faunal resources of epipelagic zone.
- (h) Enlist four commercially important penaeid shrimps from Indian water (scientific and common name).
- (i) What is bio indicator species?
- (j) State the importance of neritic water in marine fishery.
- (k) Define nekton with example.
- (l) Define bioluminescence.
- (m) Mention intertidal ecological features of rocky shore.
- (n) What do you mean by epifauna and infauna?
- (o) Enlist four commercially important sea weed.

2. Answer any six from the following questions :
5×6=30

- (a) Classify different types of plankton based on their size.
- (b) Write a note on vertical migration of zooplankton.

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(Continued)

(3)

- (c) Give an account on inshore or coastal fishery resources of India.
- (d) Mention different environmental factors influencing the distribution of marine biota.
- (e) Briefly discuss the adaptation of nekton in marine environment.
- (f) Write down the different biota observed in sandy shore.
- (g) Classify different types of marine benthos according to their size.
- (h) Illustrate the feeding biology of muddy shore organism.
- (i) Why estuary is a more productive zone?
- (j) What are the factors affecting distribution of marine fouling organism?

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