



PT-003-1184003

Seat No. _____

M. Sc. (Sem. IV) (CBCS) (W.E.F. 2016) Examination

August - 2020

Zoology : Paper - Zool-421

(Marine Ecology)

(Elective)

Faculty Code : 003

Subject Code : 1184003

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Answer the following very briefly : (Any Seven) 2×7=14

- (a) Define macrobenthos and macrobenthos giving suitable examples
- (b) What is Ekman transport?
- (c) What is wind current?
- (d) Define surface waves and their significance
- (e) What is chemical oceanography?
- (f) Define red tides and its significance
- (g) What are dinoflagellates?
- (h) Why estuaries are important?
- (i) Define GIS and CIS
- (j) Define oil spill and its significance in oceanic environment

2 Answer of the following : (Any Two) 7×2=14

- (a) Write a short note on oceanic tides
- (b) Describe eutrophication and its effects on biota
- (c) Write a short note on pH and CO₂ system in the seawater

3 Answer the following : **7×2=14**

- (a) Write a brief note on phytoplankton with suitable examples.
- (b) Briefly describe the red water phenomenon.

OR

3 Answer the following **7×2=14**

- (a) Write a short note on marine microbiology.
- (b) Write a detailed account of the classification of estuaries.

4 Answer the following : **7×2=14**

- (a) Write a detailed account of the classification of estuaries.
- (b) Write a note on the coastal zone management.

5 Answer the following : (Any Two) **7×2=14**

- (a) Write a brief note on oil pollution at sea
- (b) Write a note on coastal EIA
- (c) Describe the pollution by toxic metals and their effect
- (d) How are coasts affected by economic developments?
