



NBW-003-018403 Seat No. _____

M. Sc. (Zoology) (Sem. IV) (CBCS) Examination

April / May - 2017

Z - 421 : Marine Biology

(Ele.)

Faculty Code : 003

Subject Code : 018403

Time : Hours]

[Total Marks : 70

1 Answer the following very briefly : (any seven) 7×2=14

- (a) Define salinity
- (b) Name few zooplanktons
- (c) What is tide?
- (d) What is physical oceanography?
- (e) What is coriolis effect?
- (f) Define oil spill
- (g) Define ballast water
- (h) Define GIS and CIS
- (i) What is salt marsh?
- (j) Define red tides

2 Answer of the following : (any two) 7×2=14

- (a) Write a short note on oceanic tides
- (b) Describe eutrophication and it's 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 note on benthos giving examples
- 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?
-