



**MBU-003-1184003** Seat No. \_\_\_\_\_

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

**April / May - 2018**

**Zoology : 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 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 CO<sub>2</sub> 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 ?

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