

S-3/GEOH/CC-5/19

TDP (Honours) 3rd Semester Exam., 2019

## GEOGRAPHY

(Honours)

FIFTH PAPER (CC-5)

(Oceanography and Biogeography)

Full Marks : 60

Time : 3 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

### Section - A

1. Answer any six of the following questions :  $2 \times 6 = 12$

- (a) What is the difference between waves and currents?
- (b) What is Sargasso Sea?
- (c) What is Coral bleaching?
- (d) What is ooze?
- (e) Distinguish between ecology and ecosystem.

[ Turn Over ]

( 2 )

- (f) Define Biogeography.
- (g) What is ozone depletion?
- (h) Differentiate between pollutant and pollution.

**Section - B**

Answer the following questions.  $12 \times 4 = 48$

2. (a) Define oceanography. Write about the significance of Oceanography. Describe the configuration of the Indian Ocean floor with suitable diagram.  $2+5+5=12$

*Or,*

- (b) Define tide. What are the important causes of tides? Write about the different types of tides. What is the value of tides to human beings?  $1+4+4+3=12$

3. (a) Mention the sources of oceanic salinity. Write about the controlling factors of salinity in ocean water. Discuss about the horizontal distribution of salinity in ocean water.  $2+5+5=12$

*Or,*

- (b) What are the suitable conditions for the growth of coral polyps? Mention different types of coral

( 3 )

reefs. Discuss the theory of Dally on the origin of Coral reefs and atolls.  $4+3+5=12$

4. (a) What is Biosphere? Discuss the content of biosphere. Write about the basic ecological principles.  $2+5+5=12$

*Or,*

- (b) Define biome. Discuss about the marine biome. Give an account of the Nitrogen cycle with neat diagram.  $2+5+(2\frac{1}{2}+2\frac{1}{2})=12$

5. (a) Identify the Greenhouse gases. Explain the mechanism of Global warming. Discuss any two evidences of recent climate change.  $2+5+5=12$

*Or,*

- (b) Mention different sources of pollution. Define water pollution. Discuss about the causes and consequences of water pollution.  $3+1+4+4=12$