

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FOURTH SEMESTER – APRIL 2022

UAZ 4601 – ESSENTIALS OF MARINE BIOLOGY

Date: 23-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

Answer ALL the questions

(10 X 2=20 Marks)

1. What is fringing coral reefs?
2. Distinguish plankton from nekton.
3. Comment on zooxanthellae.
4. List the trace elements of sea water.
5. Define the term algal bloom.
6. What is oceanic dead zone?
7. State the importance of pneumatophores.
8. Differentiate perihelion from aphelion.
9. What is spring tide?
10. Expand: WOCE, WHOI, IUCN & SCAR

PART – B

Answer any FOUR of the following

(4 X 10 =40 Marks)

11. Give an account on El Nino and La Nina.
12. Coral reefs are the wealth and health of the ocean - Justify.
13. Describe the properties and classification of plankton.
14. Discuss the combined effects of salinity and temperature.
15. Explain the ecological, economic and cultural value of estuaries
16. Write short notes on marine pollution.

PART – C

Answer any TWO of the following

(2 X 20=40 Marks)

17. Write an essay on the chemical properties of seawater.
18. Classify and explain the major zones of marine eco-system.
19. Enumerate the role of national and international organizations in ocean management
20. Write notes on a) UV Radiation b) Waves

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