



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**FOURTH SEMESTER – APRIL 2023**

**UAZ 4601 – ESSENTIALS OF MARINE BIOLOGY**

Date: 06-05-2023

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

**PART-A**

Answer **ALL** the questions

**(10x2=20 Marks)**

1. What are nektons?
2. Name the trace element of sea water.
3. Distinguish wave crest from wave trough.
4. What is spring tide?
5. What is Pycnocline?
6. Comment on algae bloom.
7. Differentiate perigee from apogee.
8. Define: Aphotic and disphotic zone
9. Comment on pneumatophores.
10. State the importance of estuaries.

**PART - B**

Answer **ANY FOUR** of the following

**(4x10=40 Marks)**

11. Write a note on mangroves and its significance.
12. Explain the different methods used for collecting planktons.
13. Write a note on role of national and international organizations in ocean management.
14. Enumerate the important features of UV-radiation.
15. Give an account on el nino and la nina.
16. Discuss in detail the physical properties of seawater.

**PART - C**

Answer **ANY TWO** of the following

**(2x20=40 Marks)**

17. Write notes on a) Coral reefs b) Sea waves.
18. Classify and explain the major zones of marine eco-system.
19. Write an essay on ocean pollution and its control measures.
20. Enumerate the role of national and international organizations in ocean management.

\$\$\$\$\$\$