LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FOURTH SEMESTER – **APRIL 2019**

16/17UZO4ES01– ESSENTIALS OF MARINE BIOLOGY

Date: 09-04-2019 Dept. No. Max. : 100 Marks

Time: 09:00-12:00

Part A Answer ALL Questions 10 x 2 = 20 Marks

1. Differentiate Trophosphere from Stratosphere.
2. Differentiate Sedimentary rock from Metamorphic rock.
3. Define Coriolis effect
4. Comment on Biosphere
5. What is called Twilight?
6. Define Upwelling.
7. Comment on el nino.
8. Tidal period
9. Define Osmotic pressure.
10. Differentiate Plankton from nekton.

Part B Answer ANY FOUR Questions 4 x 10 = 40 Marks

11. Write an account on Light, transparency and nutrients of sea water.
12. Briefly explain Ocean floor topography.
13. Write an account on viscosity and circulation of sea water.
14. Write an account on the nekton of the sea.
15. Briefly discuss factors controlling distribution of corals.
16. Explain the theories of coral formation.

Part C Answer ANY TWO Questions 2 x 20 = 40 Marks

17. Write a detailed account on the divisions of marine environment.
18. Form an essay on Gases and hydrostatic pressure of sea.
19. Write an essay on distribution of benthic life.
20. Write an essay on Animals of the deep ocean floor.

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