



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FOURTH SEMESTER – APRIL 2018

16UZO4ES01- ESSENTIALS OF MARINE BIOLOGY

Date: 23-04-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART A (Answer ALL the Questions)

10 x 2 = 20

1. Define photosynthesis.
2. Mention the principle of constant proportions.
3. Comment on downwelling.
4. What is called a gyre?
5. What is called anthropogenic pollution?
6. Comment on hydrothermal vents
7. What are nektons?
8. Comment on photic zone.
9. Write a note on Red Data Book.
10. Expand FAO.

PART B (Answer FOUR Questions)

4 x 10 = 40

11. Give an account on the interior of the earth.
12. Detailed account on coral reefs.
13. Briefly explain the factors modifying currents.
14. Briefly explain the origin of waves.
15. Write an account on the classification of planktons.
16. Briefly explain the adaptation of marine life to temperature.

PART C (Answer TWO Questions)

2 x 20 = 40

17. Write an account on the following
 - a) Continental shelf
 - b) Continental slope
 - c) Continental rise
 - d) Abyssal plains
18. Write an essay on estuaries and mangroves.
19. Form an essay on divisions of marine environment.
20. Write an essay on factors affecting ocean circulation.
