B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025
SEMESTER 5 : ZOOLOGY
COURSE : **19U5CRZOO06** : ENVIRONMENTAL BIOLOGY
(For Regular 2023 Admission and Supplementary 2022/ 2021/ 2020/ 2019 Admissions)

Time : Three Hours   Max. Marks: 60

PART A
Answer All (1 mark each)

1. Define air pollution.
2. What is the full form of IPCC?
3. What is meant by the term 'oligotropic lake'?
4. What are xerocoles?
5. What is the term used to denote the study of "life and requirements of a single organism or species"?
6. Chemical interaction, by which the organisms of one species affects the well-being and growth of other, is called -----------------.
7. What are the components of biogas?
8. What is known as 'rainforests of the sea'?

                                                        (1 x 8 = 8)

PART B
Answer any 6 (2 marks each)

9. Explain the ecological conditions that is characteristic of a grassland biome.
10. Discuss the problems of carry bag pollution.
11. Define an Ecosystem.
12. What are the characteristics of biodiversity hotspots?
13. Explain the formation of fossil fuels.
14. Explain carbon sequestration.
15. What is meant by commensalism?
16. Suggest measures to curb soil pollution.

                                                        (2 x 6 = 12)

PART C
Answer any 4 (4 marks each)

17. Discuss the mitigation measures of drought.
18. Discuss atleast 4 characteristics of a population.
19. Give an account of the different types of water contaminants.
20. Write a note on IUCN Red List Categories.
21. Explain the conservation of wetlands through designating them as Ramsar sites.
22. Elaborate on energy conservation.

                                                        (4 x 4 = 16)

PART D
Answer any 2 (12 marks each)

23. Discuss the different types of conventional energy sources and present an account of their disadvantages.

24. Give an account of tsunami with a note on its effects and mitigation measures.

25. Elaborate on the challenges caused by global warming.

26. Elaborate the threats faced by freshwater resources of Kerala.

(12 x 2 = 24)