

Reg. No:

Name :

M SC DEGREE END SEMESTER EXAMINATION MAY - 2015

M SC ZOOLOGY SEMESTER 2

COURSE: P2ZOOT05 - ECOLOGY - PRINCIPLES AND PRACTICES

Time: 3 Hours

Max. Marks: 75

PART –A

Answer any **8** questions. Each question carries **2** marks.

1. Define: Natality.
2. Comment on Species richness.
3. What are Ecological dominants?
4. Define Carrying capacity.
5. Define Ecosphere.
6. What is meant by Carbon foot print?
7. What are Ramsar Sites? Mention two examples from Kerala.
8. Comment on Bioaccumulation.
9. Define Proto-co-operation.
10. Comment on Ecological indicators. Give two examples.
11. Explain the concept of Guild.
12. What is meant by WGEEP?

(2 x 8 = 16)

PART -B

Answer any **7** question. Each carries **5** marks.

13. What is meant by Dynamics of Ecosystem?
14. Explain the role of Bioremediation in Environmental Sanitation.
15. Describe the Biological effects of radiation.
16. What is IPCC? Mention its role and functions.
17. Define the principle of Remote sensing? Mention its importance in ecological Studies.
18. Comment on Three Mile Island Accident.
19. Describe the various Group attributes of a population.
20. What is food chain Concentration? Mention its impact on organism.

21. Differentiate between r and k selection.
22. Give a brief account on Meta population.
23. Differentiate between Ecotone and Edge effect.
24. What is EIA?

(5 x 7 = 35)

PART-C

Answer any **2** question. Each carries **12** marks.

25. Explain Population Interaction and its types.
26. We have to conserve Biodiversity, as it is the Blood of life. Discuss.
27. Describe the Biological effect and control of Rradioactive pollution.
28. Write an essay on Water scarcity problem and its remedial measures in Kerala.

(12 x 2 = 24)
