

MSc DEGREE END SEMESTER EXAMINATIONS NOVEMBER - 2015

SEMESTER: 1- BOTANY

COURSE: P1BOTT04 - ENVIRONMENTAL BIOLOGY

Time: Three Hours

Max. Marks: 75

- I. Answer **any eight** questions. Each question carries two marks.
1. Write a brief note on Global warming?
 2. What is *El Nino*?
 3. What is meant by photochemical smog?
 4. What are the causes of Air Pollution?
 5. Differentiate Autogenic and Allogenic Succession.
 6. Briefly explain ecotypes with example.
 7. What is dispersion of Population?
 8. What is a coenospecies?
 9. Write note on *e-wastes*?
 10. Differentiate between community and population
 11. Explain acid rain?
 12. Explain keystone species? (2 x 8 = 16)
- II. Answer **any seven** questions. Each question carries five marks
13. Application of remote sensing in vegetation studies.
 14. Differentiate *ex situ* with *in situ* conservation with examples.
 15. Explain RET plants.
 16. Write a note on global warming.
 17. What you mean by climate change and what are the effects of climate change on reproductive biology and biogeography?
 18. Explain Phytoremediation.
 19. Explain Noise Pollution.
 20. Differentiate alpha, beta and gamma diversity.
 21. Explain Nitrogen cycle.
 22. Explain ecological pyramids (5 x 7 = 35)
- III. Answer **any two** questions. Each question carries ten marks
23. What are the factors affecting plant distribution and explain the theories of distribution.
- OR
24. Explain the phytogeographical zones of India

25. What are the different characteristics of population ecology?

OR

26. Explain water pollution, its causes and remedial measures.

(2 x12 = 24)