

Reg. No

Name

17P114

MSc DEGREE END SEMESTER EXAMINATION- NOVEMBER 2017
SEMESTER 1 : ENVIRONMENTAL SCIENCE
COURSE : 16P1ENVTO1 ; FUNDAMENTALS OF ENVIRONMENTAL SCIENCE
(Common for Regular - 2017 / Supplementary - 2016 Admissions)

Time : Three Hours

Max. Marks: 75

Section A
Answer any 10 (2 marks each)

1. State Shelford's Law.
2. Define ecosystem.
3. What are population fluctuations?
4. What is meant by evenness in a community?
5. Distinguish between beta and gamma diversity?
6. Comment on soil fertility.
7. List out the major impacts of sand mining.
8. What is the source of natural radioactivity?
9. List out the advantages of using bio-filters in pollution control.
10. What is Rio Declaration?
11. Write a brief note on Green Peace.
12. What is the declaration of Article-51A (g) of the Indian Constitution?

(2 x 10 = 20)

Section B
Answer any 5 (5 marks each)

13. Define pyramid of energy.
14. What are density dependent and density independent factors? Explain with example.
15. What is meant by ecotone and edge effect?
16. Explain the concept of ecosystem modeling.
17. Discuss the natural and man made sources of radioactive pollution.
18. Discuss the management of liquid waste and sewage.
19. Write briefly on the "Project Tiger" scheme.
20. Describe briefly the Environmental Protection Act.

(5 x 5 = 25)

Section C

Answer any 2 (15 marks each)

21. Explain population group properties in detail.
22. Discuss the major water conservation measures with case studies.
23. Write an essay on waste management.
24. Discuss the global environmental issues and challenges- present and past.

(15 x 2 = 30)