

Reg. No

Name

18P3639

MSc DEGREE END SEMESTER EXAMINATION - OCTOBER 2018
SEMESTER 3 : ENVIRONMENTAL SCIENCE
COURSE : 16P3EVST11 : BIODIVERSITY, CONSERVATION AND SOCIAL ISSUES
(For Regular - 2017 Admission & Supplementary - 2016 Admission)

Time : Three Hours

Max. Marks: 75

Section A
Answer any 10 (2 marks each)

1. Define genetic diversity.
2. Differentiate between endangered and threatened species.
3. Mention the criteria for designating an area as biodiversity hotspot.
4. Describe Simpson Index.
5. What is Jaccard index?
6. What is regeneration of habitat?
7. What are the functions of State Board of Biodiversity?
8. List the advantages of *in-vitro* germplasm conservation.
9. What are GI tags?
10. How do you define water conservation?
11. What are the effects of chlorofluorocarbons?
12. State a few drawbacks of pollution Acts.

(2 x 10 = 20)

Section B
Answer any 5 (5 marks each)

13. Give the IUCN categorization of species according to conservation status.
14. Describe the services provided by Agricultural Biodiversity.
15. Write a note on ecosystem functions and biodiversity.
16. Describe the reclamation processes of a wetland ecosystem.
17. Describe some of the characteristic features of biodiversity hotspots.
18. Discuss some of the international programmes for biodiversity conservation.
19. Describe the energy requirements for sustaining urban life.
20. Explain the solutions to combat acid rain effects on environment.

(5 x 5 = 25)

Section C

Answer any 2 (15 marks each)

21. How do you value ecosystem services? Explain.
22. Explain habitat conservation methods.
23. Write an essay on wildlife management with special reference to India.
24. Discuss in detail the impact of global warming on the climate of India.

(15 x 2 = 30)