

Reg. No .....

Name .....

17P3639

**MSc DEGREE END SEMESTER EXAMINATION- OCTOBER-NOVEMBER 2017**  
**SEMESTER 3 : ENVIRONMENTAL SCIENCE**  
**COURSE : 16P3EVST11 ; BIODIVERSITY, CONSERVATION AND SOCIAL ISSUES**  
*(For Regular - 2016 admission)*

Time : Three Hours

Max. Marks: 75

**Section A**

**Answer any 10 (2 marks each)**

1. What is habitat loss?
2. Differentiate between endangered and threatened species.
3. List the features of hotspot region.
4. Write a note on modern varieties of crops.
5. Write a note on referendum method in ecosystem valuation.
6. Differentiate between keystone species and dominant species.
7. What is the role of NBA in conservation of biodiversity?
8. What is acid rain?
9. Write a short note on *In-vitro* conservation.
10. What is meant by sustainability?
11. Discuss on some of the solutions to the urban problems related to energy.
12. Define hazardous substance.

**10 x 2 (20)**

**Section B**

**Answer any 5 (5 marks each)**

13. Describe the components under Agricultural Biodiversity.
14. Explain stated preference method in ecosystem valuation.
15. Describe the reclamation processes of a wetland ecosystem.
16. Briefly describe Convention on Biological Diversity.
17. Explain *In-vitro* conservation techniques.
18. Describe the causes of ozone layer depletion.
19. Discuss on the visible impacts of global warming.

**5 x 5 (25)**

**Section C**

**Answer any 2 (15 marks each)**

20. Explain the various drivers of biodiversity loss.
21. What is co-adaptation or co-evolution. Explain in detail some of the co-evolutionary interactions.
22. Discuss on *Ex-situ* conservation methods employed in biodiversity conservation.
23. Urbanisation is a dangerous problem for a developing country like India. Comment on the topic.

**2 x 15 (30)**