

Reg. No .....

Name .....

**M. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**  
**SEMESTER 3 : ENVIRONMENTAL SCIENCE**  
**COURSE : 16P3EVST10 : ENVIRONMENTAL MONITORING AND MANAGEMENT**  
*(For Regular - 2018 Admission and Supplementary - 2016/2017 Admissions)*

Time : Three Hours

Max. Marks: 75

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

1. What does 'Environmental modeling' refer to?
2. Explain the significance of Ecological foot prints.
3. What does Base line data study in EIA mean?
4. What was the main focus of Johannesburg Conference in 2002?
5. Point out the origin of the expression "sustainable development"?
6. Outline the Environmental dimensions of Sustainable development?
7. Is sustainable development necessary? Explain.
8. What are Ramsar sites?
9. What do you mean by ecosystem management?
10. Mention the drawback of 'Communal system of management' for common property resource management.
11. Comment on the benefits of Green Revolution?
12. Enumerate the term 'Tragedy of the common'.

(2 x 10 = 20)

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

13. Give a brief insight into OHSAS18001.
14. Explain the need of Coastal Zone Notification 1991?
15. Explain the Environmental impact of mining?
16. How does sustainable development make economic sense for society?
17. Write a note on human interference on grassland ecosystem degradation.
18. How does a growing population affect biodiversity?
19. List out the advantages and disadvantages of Industrialization?
20. Describe briefly the 'Industrial revolution in India'.

(5 x 5 = 25)

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

21. Describe the roles of Central and State pollution control boards in environmental protection.
22. Explain the process of EIA.
23. "Everything is connected to everything else" Illustrate this concept, with food chains and food webs, competition within communities, and the relationship between predators and their prey.
24. Write an essay on modern agriculture technology and traditional agricultur practices.

(15 x 2 = 30)