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MEV-011

M. SC. (ENVIRONMENTAL SCIENCE)

(MSCENV)

Term-End Examination

June, 2023

**MEV-011 : FUNDAMENTALS OF
ENVIRONMENTAL SCIENCE AND ECOLOGY**

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **ten** questions.

(ii) All questions carry equal marks.

1. Explain the multidisciplinary nature of Environmental Science. Describe different layers of the atmosphere with the help of a diagram. 10
2. Discuss any *five* major environmental issues and their impacts on environment. 10
3. Describe any *five* International conventions to conserve the environment. 10

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4. Explain the basic concept of ecology. Describe various levels of organization in Ecology. 10
5. Define population and discuss the concept of density, natality, mortality and population distribution. 2+8
6. What is Climax Community ? Give various ecological adaptations. 5+5
7. Describe major aquatic and terrestrial biomes. 10
8. Give a detailed account of ecosystem, structure and function. 10
9. Describe hydrological cycle and nitrogen cycle along with their importance to the environment. 10
10. Describe the trends in population growth and its implication on resource consumption. 10
11. What are ecosystem services ? Describe the threats to ecosystem services. 10

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12. Discuss environmental education and its application to human society. 10
13. Explain environmental management standards and environmental labels. 10
14. Discuss main causes of environmental crisis and their sustainable solutions. 10