

**MASTER OF SCIENCE (M.Sc.)  
(ENVIRONMENT SCIENCE) (MSCENV)**

**Term-End Examination**

**June, 2022**

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

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Attempt any **ten** questions. All questions carry equal marks.

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1. What is Environmental Science ? Give the scope of environmental science. 10
2. What is Urbanization ? Describe the impacts of urbanization on the environment. 10
3. Describe global environmental issues with suitable examples. 10
4. Explain population growth and population regulation. 10
5. Explain various types of biotic interactions among organisms in a community. 10
6. What are Ecological Adaptations ? Give characteristic features of hydrophytes. 10

7. Define Ecology. Explain various levels of organization in ecology with suitable examples. 10
  8. Describe any five national and international conventions related to environment and sustainable development. 10
  9. Explain ecological pyramids, food chain and food web in an ecosystem. 10
  10. Give a detailed account of energy flow in an ecosystem with suitable diagram. 10
  11. Describe environment education and its application to human society. 10
  12. Explain carbon cycle and water cycle with suitable diagrams. 10
  13. Describe various types of habitat restorations with suitable examples. 10
  14. Write short notes on any **two** of the following : 2×5=10
    - (a) Environmental Economics
    - (b) Environmental Auditing
    - (c) Environmental Management Standards
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