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Total Pages : 3

**323209**

**May 2026**

**B.SC. II SEMESTER**

**Environmental Science (BEVS-101A)**

Time : 3 Hours]

[Maximum Marks : 75

*Instructions :*

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any **four** questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

**PART-A**

1. Briefly answer the following questions:

- (a) Define sustainable development. (1.5)
- (b) What is a trophic level? (1.5)
- (c) What are the major impacts of soil erosion? (1.5)
- (d) Define endemic species with an example. (1.5)
- (e) What is thermal pollution? (1.5)
- (f) What are the key objectives of the Environment (Protection) Act? (1.5)

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- (g) What is disaster preparedness? (1.5)  
(h) Differentiate between a food chain and a food web. (1.5)  
(i) What is a biodiversity hotspot? (1.5)  
(j) What are the impacts of human population growth on the environment? (1.5)

**PART-B**

2. (a) Explain the importance and scope of environmental studies in modern society. (7.5)  
(b) Discuss energy flow in ecosystems and its ecological significances. (7.5)
3. (a) Discuss the causes and impacts of deforestation with reference to biodiversity and tribal communities. (7.5)  
(b) Explain renewable and non-renewable energy resources with suitable examples. (7.5)
4. (a) Explain the different stages of ecological succession. (5)  
(b) Give a detailed account of the structural and functional components of a desert ecosystem. (10)
5. (a) Describe the different levels of biodiversity and their importance. (7.5)  
(b) Differentiate between in-situ and ex-situ conservation strategies, highlighting their advantages and limitations. (7.5)

6. (a) Define noise pollution. Explain its causes and consequences. (7.5)  
(b) What is solid waste management? Give a detailed account of solid waste management practices suitable for urban areas. (7.5)
7. (a) Enlist the major environmental laws in India and explain their role in environmental protection. (7.5)  
(b) Explain the importance of environmental movements in shaping environmental awareness. (7.5)