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**May 2026**

**B.SC. (VCMT) II SEMESTER**

**Environmental Studies (VAC-101-N1)**

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. (a) Define a wetland with an example. (1.5)
- (b) What is the difference between national parks, sanctuaries, and biosphere reserves? (1.5)
- (c) What are the positive and negative aspects of the Industrial Revolution? (1.5)
- (d) Define Ecologically Sensitive Areas. (1.5)
- (e) Define Hazardous waste and explain why it is important. (1.5)
- (f) Write a short note on Article 48A. (1.5)

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- (g) Define urbanization. Discuss its impact on the environment. (1.5)
- (h) What is the role of humans in natural resource conservation? (1.5)
- (i) Discuss the level of Biodiversity. (1.5)
- (j) Define natural disasters and biosphere reserves. (1.5)

**PART-B**

- 2. Write a short note on: (5×3=15)
  - (i) Water resources: issues and challenges.
  - (ii) Mineral exploitation and its environmental impact.
  - (iii) Biomass energy resources.
- 3. Write a short note on: (5×3=15)
  - (i) Air pollution impact and control.
  - (ii) Ozone layer depletion.
  - (iii) Deforestation and desertification.
- 4. (a) What is the history of Sustainable Development Goals? Discuss in detail the challenges and strategies to achieve sustainable development goals (SDGs). (7.5)
- (b) Define Municipal Solid Waste. Explain the silent features and importance of the Municipal Solid Waste Management Rule, 2016, in waste management. (7.5)
- 5. Write a short note on: (5×3=15)
  - (i) Great Ancient Civilization.
  - (ii) Biomass energy Sources and applications.
  - (iii) UN Conference on Human Environment, 1972.

- 6. What is biodiversity? Discuss in detail the conservation strategies and threats to biodiversity. (15)
- 7. (a) Define ecosystem. Explain the Coastal and marine ecosystem and its basic characteristics. (7.5)
- (b) What are Ramsar Sites? Discuss in detail the characteristics, importance, and uses of wetlands, and a case study on wetland conservation in. (7.5)