

B A, B Sc, BCOM DEGREE END SEMESTER EXAMINATION - APRIL 2026**UGP (HONS.) SEMESTER - 2 : MULTI DISCIPLINARY COURSE****COURSE CODE: 24UEVSMDC101 – FUNDAMENTALS OF ENVIRONMENTAL SCIENCE***(For Regular 2025 Admission and improvement/Supplementary 2024 Admission)*

Time: 1 Hour

Max. Marks: 35

PART A**Answer any 7 questions**

1. What environmental problem occurs when algae grow excessively in lakes? (CO5, R)
 2. Expand BOD. (CO5, R)
 3. Among the following which one is a major green house gas (CO6, R)
 - a) Nitrogen
 - b) Argon
 - c) Water vapour
 - d) Oxygen
 4. Conversion of ammonia into nitrates in soil is called _____. (CO2, R)
 5. Certain toxic chemicals gradually build up in the bodies of organisms over time. What is this process called? (CO5, R)
 6. What is meant by poaching? (CO4, R)
 7. In ecology, what term is used for the graphical representation that shows the relationship between organisms at different trophic levels in an ecosystem? (CO2, R)
 8. Ozone layer is seen in which layer of the atmosphere. Also define the process ozone depletion. (CO6, U)
 9. Define genetic diversity. (CO4, R)
 10. What is meant by a watershed? (CO3, R)
- (1 x 7 = 7)**

PART B**Answer any 4 questions**

11. Why are mangroves called highly productive ecosystems? (CO2, U)
12. Explain how human activities can lead to wildlife conflicts. (CO4, A)

13. A historical monument in a polluted city is slowly losing its shine, and nearby trees show damaged leaves. Explain how acid rain can cause such effects on buildings and vegetation. (CO6, A)
14. Explain two impacts of climate change on agriculture. (CO6, A)
15. Explain how human activities accelerate soil erosion. (CO3, U)
(2 x 4 = 8)

PART C
Answer any 2 questions

16. Explain the different sources of energy, the problems associated with energy consumption, and suggest measures to conserve energy in daily life. (CO3, U)
17. Using a diagram, describe the structure of a soil profile and the characteristics of its main horizons. (CO3, A)
18. Explain the concept of solid waste management. (CO5, R)
(5 x 2= 10)

PART D
Answer any 1 question

19. Many communities depend on forests for their daily needs. (CO2, An)

Elaborate on:

- a) Goods obtained from forests
 - b) How forests help in climate and rainfall regulation
 - c) Role of forests in conserving soil and water
 - d) Need for sustainable use and conservation
20. Explain the significance of water as a natural resource, the problems arising from its scarcity and pollution, and suggest practical measures for its conservation? (CO3, U)
(10 x 1= 10)