

**PRACTICE SET**  
**End Semester Examination, Spring- 2026**

**Program:** Diploma (Mining /CSE)

**Semester:** II

**Course:** Environmental Science

**Course Code:** 8DMC101

**UNIT I**

**Section B (Each carries 10 marks)**

1. Explain the concept of deforestation and outline the key reasons behind it along with its major consequences.
2. How geothermal energy can be used to generate electricity. What are its advantages and disadvantages?
3. Discuss the environmental effects of extracting and using mineral resources.
4. Briefly describe the classifications and usages of energy sources.
5. Briefly describe the benefit and problems caused by dam?

**Section C (Each carries 20 marks)**

6. Explain the concept of Hydrological cycle and describe its importance in details.
7. Discuss how individuals can help in the sustainable use and conservation of natural resources.

**UNIT II**

**Section B (Each carries 10 marks)**

8. Discuss the concept and structure of Ecosystem. Draw relationship between different components of an ecosystem.
9. What do you mean by food chain? Discuss its types and explain them properly.
10. What do you mean by ecological succession? Explain it in details
11. How would you explain ecological pyramid & describe its importance.
12. Coin the term IUCN. Describe the values of Biodiversity in details.
13. Discuss the biographical and floristic regions of India.

**Section C (Each carries 20 marks)**

14. Enumerate the importance of Biodiversity. Discuss it at Global, National and local level.

**UNIT III**

**Section B (Each carries 10 marks)**

15. Give your view on Resettlement and rehabilitation of people; its problems and concerns.
16. Describe the biochemical effects of some important air pollutants in details
17. Discuss the effects and control of water pollution.
18. Briefly explain Air prevention and control of pollution Act and Water Prevention and Control of Pollution Act.
19. Write an essay on “radioactive pollution”.
20. Write an essay on disaster management.
21. What do you mean by global warming and the way to measure it?

**Section C (Each carries 20 marks)**

22. Explain the concept of 'Environmental Ethics', its issues and possible solutions.  
23. Can you tell the causes, control measures and impact of marine pollution?

#### UNIT IV

##### Section B (Each carries 10 marks)

24. Discuss the difference in between population growth and population explosion? Discuss the scenario over it.  
25. Discuss the Fundamental Rights guaranteed in our Indian Constitution.  
26. Provide a brief overview of various UN agencies dedicated to human rights and humanitarian missions.  
27. How can we use information and technology in the field environment?

##### Section C (Each carries 20 marks)

28. Discuss the constitutional provisions for Scheduled Castes, Scheduled Tribes and other marginalized groups.  
29. Write explanatory notes on (i) Family welfare programme(ii) Rights for women and Children in India.

**Prepared By: Dr. Arindam Ghosh**

**Disclaimer:** - This is a Practice set. The Question in the End term examination will differ from the Practice set. This Practice set is meant for practice only.