

**NEB - GRADE XII**  
**Model Question**  
**2079(2023)**  
**Environmental Science**

Candidates are required to give their answers in their own words as far as practicable.

Time: 3 hrs.

Full marks: 75

Attempt all the questions

**Group 'A'**

**Very Short Answer Questions.**

**11x1=11**

1. What does hydrological cycle mean?
2. Define lithosphere in one sentence.
3. Give a reason for using quantification techniques in biodiversity assessment.
4. Clarify the meaning of climate change.
5. Give an example of heat budget in your own view.
6. Mention any two measures to protect Greenhouse effect.
7. List any two approaches for solid waste management in your community.
8. State any two major toxic chemicals found in environment.
9. Give an example of chronic toxicity.
10. Mention the full form of GPS.
11. State the meaning of Remote Sensing(RS).

**Group 'B'**

**Short Answer Questions.**

**8x5=40**

12. Illustrate the lentic and lotic environment with examples.
13. Briefly describe the various steps of soil profile.

Or

Briefly describe the properties of soil.

14. What is vegetation sampling method? Explain its types.
15. Analyze the impacts of climate change in the context of Nepal.
16. Interpret the bio-magnification in eco system with example.
17. Explain the technological approaches of pollution control in brief.
18. Explain the primary waste water treatment.
19. Mention the various applications of GIS in your daily life.

Or

Briefly describe the various units of land measurement system with examples.

**Group 'C'**

**Long Answer Questions.**

**3x8=24**

20. Describe the vertical zonation of atmosphere. Illustrate the metrological parameters of atmosphere on environment.
21. Mention the solid waste management approaches and explain any two approaches of solid waste management at your community.
22. Analyze the environmental impact assessment(EIA) system in Nepal.

Or

Discuss the various plan and policies being adopted to protect environmental degradation in Nepal.