

Mid-West University
Examinations Management Office

End Semester Examination 2081

Bachelor level/ B. Sc./ 7th Semester

Time: 3 hours

Subject: Environmental Management (BOT473)

Full Marks: 100

Pass Marks: 50

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group - A

1. Answer in very short any *TEN* questions. [10x1 = 10]

- a. Define Natural Monument.
- b. What do you mean by restoration of endangered species?
- c. Give concept of agroforestry.
- d. Define water scarcity.
- e. What is the full form of REDD?
- f. Write down the challenges of ecotourism in Nepal.
- g. Define trade secret and trademark.
- h. Write any two protected flora of Nepal.
- i. What do you mean by climate change?
- j. What is biological weathering?
- k. Elaborate sustainable agriculture.
- l. Enlist the role of traditional knowledge for natural resource management.

Group - B

Answer in brief any *EIGHT* questions. [8x5 = 40]

2. Discuss on the IUCN threat categories of protected species.
3. What do you mean by ecological restoration? Emphasize on strategies of restoration.
4. What is sacred grooves? Describe their roles in biodiversity conservation.
5. Give concept and applications of remote sensing (RS) in resource management.
6. Elaborate integrated solid waste management.
7. Give an account of different forms of energy resources.
8. What are the opportunities and challenges of wildlife management in Nepal? Discuss.
9. Define soil. Describe the five categories of components of soil complex.
10. Describe the types of ecosystem services with illustrations.
11. Define food security. Emphasize on main causes of food insecurity in Nepal.

Group - C

Attempt any *FIVE* questions. [5x10 = 50]

12. Discuss the main threats to biodiversity. How biodiversity could be conserve through Ex-situ conservation? Explain.

13. What are the main causes of water resources degradation? How it could be managed? Briefly describe about the water resource issues.
14. What is soil erosion? Discuss the mechanism of soil erosion and also write about the methods of soil conservation.
15. Discuss the different types of forest found in Nepal. Highlights on principles and approaches of sustainable forest management in Nepal.
16. Describe the process of EIA in detail.
17. Write short notes on:
 - a) National efforts on biodiversity conservation
 - b) Habitat fragmentation

The End