

Mid-West University
Examinations Management Office
Surkhet, Nepal
End Semester Examinations -2078

Bachelor level/ B.Sc^{7th} Semester
Time: 3 hrs

Full Marks : 100
Pass Marks : 50

Subject : Conservation Biology (BOT471)

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

Group – A

1. Answer in very short on Any Ten questions.

[10×1=10]

- a) What is conservation ethics?
- b) Define the term ecological corridors.
- c) What does it mean by global biodiversity?
- d) Write down any two specific features of Shey-Phoksundu National Park of Nepal.
- e) Mention any two important role of local society for biodiversity conservation.
- f) Name any two species which are cited under the Appendix-I.
- g) What do you mean by spatial heterogeneity?
- h) Define the term sustainable development.
- i) What do you mean by endangered populations?
- j) What do you mean by climate change?
- k) What is ecological restoration?
- l) Define ecosystem resilience.

Group – B

Answer in brief on Any Eight questions.

[8×5= 40]

2. Define conservation Biology. What are the scope and importance of conservation biology ?
3. How habitat connectivity helps in biodiversity conservation, Explain.
4. Why the endemic species are more prone to extinction?
5. Discuss the principles of conservation genetics.
6. Describe criteria for the biodiversity hotspots with its importance.
7. What are minimum viable populations. How invasive species threatens biodiversity, Justify.
8. Discuss the impact of global climate change on biodiversity conservation.
9. How the damaged ecosystem can be restored? Give your opinions.
10. A wide range of laws protect endangered species. Why don't species covered by such laws quickly recover?
11. Emphasize the components and values with suitable examples.

Group – C

Attempt *Any Five* questions

[5×10= 50]

12. What are the major issues in the design of protected area, and how could the Government of Nepal managed it? Give your opinion.
13. Describe the national policies and legislations related to biodiversity conservation in Nepal.
14. How ex-situ conservation strategies helps to conserve plant species? Explain the different modeling approaches for prediction & conservation planning.
15. Explain the major threats that loss biodiversity and suggest your idea how we can solve it.
16. What are IUCN threat categories? Also describe the major contribution of IUCN for the conservation of biodiversity.
17. Write notes on:
 - a. Land scope –level consumption
 - b. Establishing new populations

THE END