

Mid-West University  
**Examinations Management Office**

End Semester Examination 2081

Bachelor level/ B. Sc./ 7<sup>th</sup> Semester

Full Marks: 100

Time: 3 hours

Pass Marks: 50

**Subject: Conservation Biology (BOT471)**

*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. Write the importance of Red data book?
- b. Define the term germ preservation.
- c. Mention the importance of Chure range.
- d. What does the spatial heterogeneity stand for?
- e. Why it is necessary to conserve the plants and animals of nature?
- f. Name two marine protected area.
- g. What are the component of biodiversity?
- h. Define term mass extinction.
- i. Always re- introduced animal cannot conserve in that area why?
- j. How the local people or ethnic group conserve the biodiversity?
- k. Write the character of animals that belongs to survival curve of type I.
- l. Name any two endangered plants of Nepal.

**Group - B**

**Answer in brief any *EIGHT* questions.**

**[8x5 = 40]**

2. List out the process of invasion of invasive species and write its characteristic feature.
3. How the hotspots are established and explain its role for the conservation of biodiversity with examples.
4. Explain the life history strategies of r- and k- selection of plants with examples.
5. A wide range of law protect endangered species. Why don't species conserved by such laws quickly?
6. Define keystone species. How the keystone species is able to conserve the biodiversity? Give three suitable example.
7. Explain the national and international polices and legislation that are related to biodiversity conservation.
8. Why conservation biologist or anyone care if a species goes locally extinction? Also if it is still found somewhere else.
9. Write short note on:
  - i) Minimum viable population.
  - ii) Conservation values and ethics.

10. What are the objectives of CITIS? Explain the types of appendix of CITIS with example.
11. What is landscape ecology? Discuss the scope of conservation biology in recent era.

**Group - C**

**Attempt any *FIVE* questions.**

**[5x10 = 50]**

12. Discuss the national policies and legislations of biodiversity conservation in context to Nepal.
13. Draw the simple sketch of model of conservation strategies (ex-situ and in-situ) and explain only the ex- situ conservation strategies.
14. Prepare the general framework for ecosystem restoration and discuss any one example of terrestrial and aquatic ecosystem restoration.
15. There are several major factor which threat to biodiversity. Explain how habitat destruction, fragmentation and degradation loss the biodiversity?
16. How protected areas are designed? What should be done to protect the biodiversity of protected area. List out the challenges of management.
17. "Corridor and habitat connectivity play a great significant role in conservation." Justify how?

**The End**