

(7 pages)

Reg. No. :

Code No. : 30714 E Sub. Code : ESZO 42

B.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2025.

Fourth Semester

Zoology – Main

Skill Enhancement Course – WILDLIFE
CONSERVATION AND MANAGEMENT

(For those who joined in July 2024 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. What is the primary cause of biodiversity extinction?
 - (a) Habitat destruction
 - (b) Species migration
 - (c) Overpopulation
 - (d) Climate stability

2. What is the main goal of biodiversity conservation?
 - (a) Economic development
 - (b) Protecting natural resources
 - (c) Increasing pollution levels
 - (d) Promoting urbanization
3. What is the minimum number of individuals required to maintain a viable population called?
 - (a) Carrying Capacity
 - (b) Minimum Viable Population
 - (c) Threshold Population
 - (d) Recovery Limit
4. Which factor is NOT a part of stochastic perturbations?
 - (a) Environmental
 - (b) Demographic
 - (c) Spatial
 - (d) Behavioural

5. Which international convention focuses on endangered species trade?
(a) CBD
(b) CITES
(c) Ramsar convention
(d) National Wildlife Action Plan
6. The National Forest Policy was implemented in which year?
(a) 1988 (b) 1972
(c) 2017 (d) 2005
7. Which of the following is an example of a biosphere reserve in India?
(a) Kaziranga
(b) Sundarbans
(c) Ranthambore
(d) Gir
8. Which is the main purpose of a wildlife sanctuary?
(a) Tourism
(b) Agriculture
(c) Protecting wildlife
(d) Urban development

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9. Which of the following is the second smallest turtle?
(a) Olive Ridley Turtle
(b) Green Turtle
(c) Hawksbill
(d) Leatherback Turtle
10. The illegal trade of wildlife is most commonly linked to which of the following?
(a) Tourism
(b) Poaching
(c) Conservation programs
(d) Afforestation

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Describe the significance of Ecologically Sensitive Areas (ESA) and their role in conservation strategies.
- Or
- (b) Write about the national approaches to biodiversity conservation.

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12. (a) What are the management decisions for small populations using PVA models?

Or

(b) What are some key recovery strategies for threatened species?

13. (a) Discuss the significance of the Wildlife Protection Act, 1972.

Or

(b) Briefly describe the role of the IUCN in biodiversity conservation.

14. (a) Give an account of the wildlife wealth of India.

Or

(b) Write briefly about national parks in India.

15. (a) Discuss the importance of wildlife trader regulations in conservation efforts.

Or

(b) List and explain any seven ethical considerations in wildlife conservation.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

16. (a) Explain the different perspectives and expressions of Biodiversity conservation.

Or

(b) Differentiate between coarse filter and fine filter approaches in biodiversity.

17. (a) Explain the applications of PVA models in conservation decision-making with examples.

Or

(b) Describe the Minimum Viable Population (MVP) concept and how it is determined.

18. (a) How do the National and State Biodiversity Action Plans contribute to environmental protection?

Or

(b) Analyze the impact of the Wildlife Protection Act, 1972, on Indian biodiversity.

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19. (a) Explain about the Biosphere Reserves in India.

Or

(b) Analyze the threats to India's wildlife and suggest effective measures to mitigate them.

20. (a) Write a detailed account of the threats faced by Musk Deer and the conservation strategies in place.

Or

(b) Give an account on wildlife laws and ethics.