

KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(4 Pages)

Reg. No:.....

Question Code: 26E00610

Course Code: 24USZO41

UG Degree - End Semester Examinations, April 2026

Fourth Semester

B.Sc., ZOOLOGY

Wildlife Conservation Management

(For those who joined in July 2024 onwards)

Time : 3Hours

Maximum : 75 Marks

PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

CO:1 1. Which of the following is not a level of biodiversity?

- K:1
- (a) Genetic diversity (b) Species diversity
(c) Ecosystem diversity (d) Cultural diversity

CO:1 2. Project Tiger in India is monitored by:

- K:2
- (a) IUCN (b) WWF
(c) NTCA (d) WII

CO:2 3. Which of the following best defines genetic stochasticity?

- K:1
- (a) Environmental change due to genetic drift
(b) Random loss of genetic variation in small populations
(c) Adaptive mutation
(d) Selection pressure stability

CO:2 4. The foundation of PVA is based on:

- K:2
- (a) Food web analysis (b) Genetic algorithms
(c) Population dynamics modeling (d) Environmental indicators

CO:3 5. Which international agreement aims to protect marine biodiversity beyond national jurisdictions?

- K:1
- (a) CITES (b) UNCLOS
(c) Kyoto Protocol (d) Bonn Convention

- CO:3 6. In which year Ramsar Convention was signed?
K:1 (a) 1965 (b) 1971
(c) 1982 (d) 1992
- CO:4 7. Where is the mangrove forest located in Tamil Nadu?
K:1 (a) Pichavaram (b) Sundarbans
(c) Bhitarkanika (d) Godavari-Krishna
- CO:4 8. Which of the following project is the best example for habitat
K:1 restoration?
(a) Project Tiger (b) Project Elephant
(c) Project Rhino (d) Project Nilgiri Tahr
- CO:5 9. Which is an indirect method of population estimation used
K:1 for elusive wildlife like musk deer?
(a) Camera trapping (b) Aerial surveys
(c) Satellite imagery (d) Pellet group counts
- CO:5 10. Which organization is primarily responsible for coordinating
K:1 Project Tiger at the national level?
(a) Zoological Survey of India (b) Central Zoo Authority
(c) National Tiger Conservation Authority (NTCA) (d) Wildlife Institute of India

PART - B (5 X 5 = 25 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 250 words.

- CO:1 11. (a) Construct species concepts and its types.

K:3 **(OR)**

- (b) Identify the major biodiversity hotspots of India with their significance.

- CO:2 12. (a) List the components of population viability analysis.

K:4 **(OR)**

- (b) Examine the PVA models and its uses.

- CO:3 13. (a) Identify the National wildlife action plan with its goals.

K:3 **(OR)**

(b) Organize the significance of the Environmental Protection Act.

CO:4 14. (a) Examine the reasons for the depletion of wildlife in India.

K:4 **(OR)**

(b) Categorize the various wildlife sanctuaries in India.

CO:5 15. (a) Assess the key conservation strategies adopted under Project Tiger.

K:5

(OR)

(b) Explain the conservation status and threats of Olive Ridley turtle.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

CO:1 16. (a) Critique the importance of Ecologically Sensitive Areas and evaluate conservation strategies for these regions.

K:6

(OR)

(b) Discuss the various types of diversities and its significance.

CO:2 17. (a) Defend the methodology, models, data requirements and applications of PVA.

K:5

(OR)

(b) Explain the following: i) Minimum viable population
ii) Recovery strategies for threatened species.

CO:3 18. (a) Discuss the international agreements for conserving marine life in detail.

K:6

(OR)

(b) Elaborate on Ramsar Convention and its importance.

CO:4 19. (a) Explain the wildlife conservation approaches and their limitations.

K:5

(OR)

(b) Defend the aims, salient features of environmental protection act.

CO:5 20. (a) Elaborate the account of distribution, status, habitat and
K:6 threats to the survival of *Slender Loris*.

(OR)

(b) Predict the status, distribution, major threats and conservation efforts of the Great Indian Bustard.