

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086**

**(For candidates admitted during the academic year 2015 onwards)**

**SUBJECT CODE: 15ZL/UI/WB23**

**B.A/B.Sc/B.Com/B.C.A/B.S.W DEGREE EXAMINATION, APRIL - 2018**

**COURSE: INDEPENDENT ELECTIVE**

**TIME: 3 HOURS**

**PAPER: INTRODUCTION TO WILDLIFE BIOLOGY**

**MAX.MARKS:100**

**SECTION-A**

**ANSWER ALL QUESTIONS**

**(10 x 3 =30)**

1. Fill in the blanks:
  - a. When species divide a niche to avoid competition for resources it is called -----.
  - b. ----- is the State Animal of Tami Nadu.
  - c. The Indian State -----, is exempted from the Wild Life Protection Act, 1972.
2. What is a biosphere reserve?
3. Comment on reintroduction of animals into the wild.
4. Name any three diseases that afflict wildlife.
5. Give examples for the following:
  - a. An ecosystem engineer
  - b. A flagship species
  - c. A marine national park in India
6. Mention the biogeographic zones of India.
7. Comment on the criteria for zoo designing.
8. State whether true or false:
  - a. Tropical countries show greater species richness.
  - b. Reptiles spend part of their life cycle in water and the rest on land.
  - c. Guindy National Park is known as the 'lung of Chennai city'.
9. Expand the following:
  - a. MAB
  - b. IUCN
  - c. MoEF
10. Differentiate between the following:
  - a. Habitat loss and Habitat degradation
  - b. Alpha diversity and Beta diversity

**SECTION-B**

**ANSWER ANY FIVE QUESTIONS**

(5x6=30)

11. Mention the different kinds of resources and write a note on resource depletion.
12. Comment on the factors affecting animal dispersion.
13. Give the causes and consequences of man-wildlife conflict.
14. Write a note on wildlife trade.
15. Enumerate the salient features of mammals giving examples.
16. Discuss the sampling methods used in field surveys.
17. Write a short note on conservation genetics.

**SECTION-C**

**ANSWER ANY TWO QUESTIONS**

(2x20=40)

18. Write a note on the following:
  - a. Endemism
  - b. *Ex situ* conservation strategies
19. Discuss the ecology of high altitudes and wetlands and write a note on the adaptations seen in animals living at high altitudes.
20. Give an account on the factors affecting population size.
21. Write an essay on wildlife tourism.

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