

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

**(For candidates admitted during the academic year 2017 onwards)**

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

**B.A/B.Sc./B.Com./B.C.A/B.S.W DEGREE EXAMINATION, NOVEMBER 2019**

**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. IUCN can be expanded to -----.
  - b. ----- is an example of a conservation movement.
  - c. ----- is an example of flagship species.
2. Write a note on Project Tiger.
3. Name any three NGOs that are involved in wildlife protection.
4. Define the following:
  - a. Biodiversity hotspot
  - b. Continental Drift
  - c. Resource partitioning
5. Enumerate any three salient features of amphibians.
6. Give any three reasons for animal dispersal.
7. Mention any three field-equipment used in wildlife surveys.
8. State whether true or false:
  - a. Dolphins and whales are fishes.
  - b. Butterflies are indicator species.
  - c. Captive breeding increases genetic variety in populations.
9. What is endemism? Name any two endemic Indian species.
10. Differentiate between habitat loss and habitat degradation.

**SECTION-B**

**ANSWER ANY FIVE QUESTIONS**

**(5x6=30)**

11. Explain the significance of effective natural resource management.
12. Describe any three wildlife population estimation methods.
13. Discuss the importance of forensic science in solving wildlife crimes.
14. Explain the various causes for man-wildlife conflict.
15. Give the causative organism, symptoms and prophylaxis for any three wildlife diseases.
16. Write a note on the nutrition of captive and free-ranging wild fauna.
17. Comment on *in situ* conservation strategies.

**SECTION-C**

**ANSWER ANY TWO QUESTIONS**

**(2x20=40)**

18. Describe the ecology of wetlands and the adaptations shown by animals to their surroundings.
19. Discuss the factors affecting population size.
20. Write short notes on the following:
  - a. Disadvantages of wildlife tourism
  - b. Capture and handling of wild animals
21. Write an essay on Zoo Designing. Add a note on management of zoo animals.

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