

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

**(For candidates admitted during the academic year 2016 onwards)**

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

**B.A/B.Sc./B.Com./B.C.A/B.S.W DEGREE EXAMINATION, APRIL 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. Distinguish between the following:
  - a. Natural Habitat and Restored Habitat
  - b. Flagship species and Keystone species
2. Define the following:
  - a. Resource Partitioning
  - b. Ecosystem Engineer
  - c. Buffer zone in a reserved area
3. Why do the tropics show greatest species richness?
4. Mention any three important characteristics of Class Amphibia.
5. List any three methods for animal dispersion.
6. What is Wildlife Forensics?
7. Write a note on capture myopathy.
8. Fill in the blanks:
  - a. Kaziranga National Park is located in -----.
  - b. ----- is a discipline that deals with the dynamics of genes in populations principally to avoid extinction.
  - c. Ladakh is an example of a ----- habitat.
9. State whether true or false:
  - a. The Wildlife Protection Act (1972) is not implemented in the State of Jammu and Kashmir.
  - b. Some fishes have special respiratory organs that help them to breathe on land.
  - c. The Chipko Movement was initially started in Tamil Nadu.
10. Name any three invasive species found in India.

**SECTION-B**

**ANSWER ANY FIVE QUESTIONS**

**(5x6=30)**

11. Describe the adaptations exhibited by animals living in wetlands.
12. Discuss the direct methods for wildlife population estimation.
13. Highlight the causes for man-wildlife conflicts.
14. Mention the legislations that govern wildlife trade giving suitable examples.
15. Describe the causation, symptoms and preventive measures for any two wildlife diseases.
16. Write a note on the criteria for zoo designing.
17. Comment on any two wildlife projects initiated by the Government of India.

**SECTION-C**

**ANSWER ANY TWO QUESTIONS**

**(2x20=40)**

18. Give a detailed account on factors affecting population size.
19. Write an essay on Natural Resource Management.
20. Discuss the pros and cons of wildlife tourism giving suitable examples.
21. Write a note on the following:
  - a. Animal Distribution
  - b. *Ex situ* conservation