

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
(For candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/ME/CB55

**B. Sc. DEGREE EXAMINATION APRIL 2019**  
**BRANCH VI.A. ADVANCED ZOOLOGY & BIOTECHNOLOGY**  
**SIXTH SEMESTER**

**COURSE : MAJOR CORE**  
**PAPER : CONSERVATION BIOLOGY**  
**TIME : 3 HOURS**

**MAX. MARKS: 100**

**SECTION – A**

**ANSWER ALL QUESTIONS**

**(10 X 3 = 30)**

1. **Define** the following:
  - a. Species
  - b. Biodiversity
  - c. Global hotspots
2. **Expand the following:**
  - a. IUCN
  - b. CITES
  - c. CBD
3. **Choose the correct answer:**
  - a. Wildlife Protection Act was proposed in the year (i) 1972 (ii) 1927 (iii) 1963
  - b. Biodiversity Act was proposed in the year (i) 1992 (ii) 2002 (iii) 1998
  - c. Forest Conservation Act was proposed in the year (i) 1970 (ii) 1980 (iii) 1990
4. **Match the following:**

a. Mudumalai National park	-	Theni District
b. Kalakkad Mundanthurai Tiger Reserve	-	Nilgiri District
c. Meghamalai Wildlife Sanctuary	-	Tirunelveli District
5. State whether **True or False**
  - a. A flagship species is a plant or animal that plays a unique and crucial role in the way an ecosystem functions.
  - b. A keystone species is a species selected to act as an ambassador, icon or symbol for a defined habitat.
  - c. Umbrella species are species selected for making conservation related decisions.

6. What is meant by Red Data Book?
7. Name any three marine parks of India.
8. Define Metapopulations.
9. Differentiate IPRS from IPP.
10. Write the Binomial nomenclature of the following:
  - a. Tiger
  - b. Lion
  - c. Elephant

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS :**

**(5 X 6 = 30)**

11. Elaborate the criteria for restoring damaged ecosystems.
12. Comment on the importance of valuing Biological Diversity.
13. Enlist the causes for the loss of Biodiversity.
14. Write short notes on community based conservation.
15. Justify the importance of Ecotourism.
16. Explain the impact of global climate change on Biodiversity.
17. Write short notes on *In Situ* Conservation Strategies.

**SECTION – C**

**ANSWER ANY TWO QUESTIONS :**

**(2 X 20 = 40)**

18. Discuss the geographical and ecological factors affecting the distribution of biodiversity.
19. Elaborate Human – Wildlife conflicts, its causes and Mitigation.
20. Describe the role of government agencies and NGO's in the conservation of Biodiversity.
21. Write an account of Ecosystem Management.

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