

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2011 – 2012 & thereafter)

SUBJECT CODE: 11ZL/ME/CB23

B. Sc. DEGREE EXAMINATION, APRIL 2014
BRANCH VIA. – ADVANCED ZOOLOGY AND BIOTECHNOLOGY
SECOND SEMESTER

COURSE : MAJOR –ELECTIVE
PAPER : CONSERVATION BIOLOGY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS: (10 X 3 = 30)

1. What is meant by “extinction”?
2. What are alien species?
3. Give any three causes for man – wildlife conflict.
4. **STATE WHETHER TRUE OR FALSE.**
 - a. Induced breeding technology is one of the methods of conserving endangered species.
 - b. Sustainable development is the key to healthier environments.
 - c. Biodiversity is minimum in coral reef community.
 - d. Chilka lake is located in Orissa.
 - e. Project Tiger (1973) was launched to save and conserve Tigers.
 - f. Indigenous populations are also called metapopulations.
5. **FILL IN THE BLANKS**
 - a. Diversity within a community is called _____.
 - b. Introduction of new species from different geographical area is _____.
 - c. Conservation of animals in their natural habitat is _____.
 - d. Gulf of Mannar is _____ park in India.
 - e. DOEF stands for _____.
 - f. An example of an ecosystem engineer is _____.
6. **DIFFERENTIATE BETWEEN:**
 - a. Point – source and non – point source of pollution
 - b. Vulnerable and threatened species
7. List out the functions of NBA.
8. What is meant by single species conservation?
9. Write a short note on UNESCO.

10. MATCH THE FOLLOWING.

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|--------------------------------|-----------------------|
| a) KMTR | Karnataka |
| b) Western Ghats | Conservation of Tiger |
| c) Estuary | Endangered species |
| d) Bandipur wildlife sanctuary | 1972 |
| e) Lion tailed monkey | Mangroves |
| f) Wildlife Protection Act | Hotspot |

SECTION – B**ANSWER ANY FIVE QUESTIONS:****(5 X 6 = 30)**

11. Comment on endemism.
12. How will you monitor biodiversity?
13. Write short notes on captive breeding and reintroduction.
14. Explain the different types of wildlife corridors.
15. Briefly explain the role of IUCN and MAB in promoting conservation.
16. Write short notes on restoration of endangered population.
17. Write a brief note on ecosystem stress.

SECTION – C**ANSWER ANY TWO QUESTIONS:****(2 X 20 = 40)**

18. Explain the following:
 - a. Community level conservation
 - b. Role of institutions in conservation
19. Describe the various threats to biodiversity.
20. Write an essay on National parks and wild life sanctuaries.
21. Give a detailed account on forest and aquatic ecosystem management.
