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**ZOS 553**



**Fourth Semester M.Sc. Examination, September/October 2022  
(CBCS)  
ZOOLOGY  
Wildlife Conservation and Management**

Time : 3 Hours

Max. Marks : 70

**Instructions :** 1) Answer *all* questions.  
2) Give illustrations *wherever* necessary.

I. Write short notes on : (5×2=10)

- a) Taxon data sheet.
- b) Coral reefs
- c) Endemic species
- d) Gene bank
- e) TRAFFIC.

II. a) What is biodiversity ? Describe the different levels of understanding biodiversity.

12

OR

Describe :

- b) Alpha, Beta and Gamma diversity
- c) Biodiversity data collection and management.

III. a) Write an account on 'Biodiversity hotspots' with special reference to India.

12

OR

Describe :

- b) Tropical forest
- c) Mangroves.

P.T.O.



- IV. a) Describe with suitable examples different ways of species interactions and add a note on Keystone species. **12**

OR

Write critical notes on :

- b) Capture-mark-recapture technique.
- c) Line transect and territory mapping techniques.

- V. Write an account on : **12**

- a) IUCN red list categories and criteria. Add a note on species extinction.

OR

- b) Zoos and their role in ex-situ conservation. Add a note on captive breeding methods.

- VI. Describe : **12**

- a) Project Lion.
- b) Ramsar convention.

OR

- c) Project Elephant.
  - d) Wildlife (Protection) Act-1972.
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