

**M.Sc. ENVIRONMENTAL SCIENCE
SECOND SEMESTER
BIODIVERSITY AND CONSERVATION
MEV-201**

**SET
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

Marks: 20

1X20=20

(Objective)

Choose the correct answer from the following:

1. When was TRAFFIC established?

- a. 1973
- b. 1976
- c. 1983
- d. 1982

2. Who gave the term *Biodiversity Hotspots*?

- a. Norman Myers
- b. Aziz Ab'Saber
- c. Charles Adams
- d. Warden Allee

3. Eco-tourism enhancesvalue of biodiversity

- a. Social
- b. Ethical
- c. Aesthetic
- d. All of these

4. India has been placed in position in Asia in terms of plant biodiversity.

- a. 4th
- b. 10th
- c. 11th
- d. None of these

5. CITES stands for

- a. Convention on International Trade in Endangered Species of Wild Flora and Fauna
- b. Convention on International Trade in Endangered Species of Wild Fauna and Flora
- c. Convention on International Trade of Endangered Species
- d. Conservation of International Trade of Endemic Species

6. Cryopreservation is an example of ---- conservation

- a. In-situ
- b. Ex-situ
- c. Intra-situ
- d. Extra-situ

7. MoEFCC stands for

- a. Ministry of Environment for Climate Change
- b. Ministry of Environment, Forestation and Climate Change
- c. Ministry of Environment, Forest and Climate Change
- d. Ministry of Entire Forest and Climate Change

8. The Red Data Book contains information on
 - a. Rare species
 - b. Endangered species
 - c. Forest types
 - d. All of above
9. Which of the following human activities does NOT directly threaten biodiversity?
 - a. Deforestation
 - b. Industrial pollution
 - c. Conservation education
 - d. Overfishing
10. Which of the following is an in-situ conservation method?
 - a. Zoo
 - b. Botanical garden
 - c. Wildlife sanctuary
 - d. Gene bank
11. The Man and the Biosphere Programme (MAB) was launched by which organization?
 - a. UNEP
 - b. UNESCO
 - c. WWF
 - d. IUCN
12. The core zone of a biosphere reserve is primarily designated for
 - a. Agriculture
 - b. Human settlements
 - c. Research and monitoring with minimal human interference
 - d. Tourism
13. The Sundarbans fall under which biogeographic zone
 - a. Coasts
 - b. Gangetic plains
 - c. Islands
 - d. Gangetic delta
14. The biogeographic zone that includes large parts of central India with dry deciduous forests is
 - a. Deccan Peninsula
 - b. Coasts
 - c. Western Himalaya
 - d. Trans-Himalaya
15. What is the primary function of an herbarium?
 - a. Storing live plants
 - b. Preserving plant specimens for scientific study
 - c. Cultivating rare plant species
 - d. Producing medicines from herbs
16. In India ecologically unique and biodiversity rich regions are legally protected as
 - a. Biosphere Reserves, National Parks & Hotspots
 - b. National Parks & Wildlife Sanctuaries
 - c. Biosphere Reserves, National Parks & Wildlife Sanctuaries
 - d. only Hotspots
17. Identify the key role players in ecotourism
 - a. The authority
 - b. The local community
 - c. The tourists
 - d. All the above

18. This place is a RAMSAR site as well as a bird sanctuary.
- | | |
|----------------|-----------------|
| a. Loktak Lake | b. Dumboor Lake |
| c. Deepor Beel | d. Umiam Lake |
19. When Joint Forest Management was introduced in India?
- | | |
|---------|---------|
| a. 1975 | b. 1980 |
| c. 1986 | d. 1990 |
20. Variation within a trophic level is an example of
- | | |
|------------------------|---------------------|
| a. Genetic Diversity | b. Animal Diversity |
| c. Ecosystem Diversity | d. All of these |
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(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Write about biodiversity conservation strategies. 10
2. Write a note on community conservation area of India. 10
3. Write short notes on 5+5=10
 - a) IPR in biodiversity
 - b) The Man and Biosphere programme
4. What are sacred groves? Discuss the role of sacred groves in biodiversity conservation with suitable examples 2+8=10
5. What is biodiversity hotspot? What are important criteria to identify biodiversity hotspot? Discuss the biodiversity hotspots in India. 2+3+5 = 10
6. Write an explanatory note on biogeographical regions of India 10
7. What do you mean by ecotourism? How tourism can be made a sustainable ecotourism? Critically discuss how sustainable ecotourism can help in biodiversity conservation. 2+2+6 = 10
8. Write short note 5+5 = 10
 - a) WWF
 - b) CITES

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