

B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025**SEMESTER 5 : BOTANY****COURSE : 19U5CRBOT6 : ENVIRONMENTAL SCIENCE AND ECOTOURISM***(For Regular 2023 Admission and Supplementary 2022/ 2021/ 2020/ 2019 Admissions)*

Time : Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. Which is the first planned eco-tourism destination in India?
2. Expand IPCC.
3. Who is known as the Father of ecosystem ecology?
4. What are ecads?
5. Give an example for an umbrella species.
6. What is the official name of the Gadgil commission?
7. Give an example for an upright ecological pyramid of number.
8. Define ecological niche.

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. Differentiate between renewable and non-renewable energy resources.
10. "Pyramid of energy is always upright". Why?
11. Compare sciophytes with heliophytes.
12. Name the major sources of water pollution.
13. Who is known as "Father of Green Revolution" and why?
14. What are the characteristics of ecotypes?
15. Discuss the significance of EIA.
16. Differentiate between Seed bank and Gene bank.
17. Explain COP 15.
18. What are the steps involved in the decomposition process?

(2 x 6 = 12)**PART C****Answer any 4 (5 marks each)**

19. Appraise the conservation efforts by earth summit.
20. Explain the effect of air pollution on plants and animals.
21. Examine the significance of Biological diversity act (2002).
22. "More diverse ecological communities are more stable". Comment on it.
23. "Energy flow is always unidirectional in an ecosystem". Substantiate.
24. "Ecotourism generates income for conservation and economic benefits for communities living in rural and remote areas". Comment on it.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. Analyze the benefits of biodiversity.
26. Evaluate structural community characteristics.
27. Categorize biotic and abiotic components of ecosystem.
28. Describe the causes, sources and management of soil pollution.

(10 x 2 = 20)