

M. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025**SEMESTER 3 : ENVIRONMENTAL SCIENCE****COURSE : 24P3EVST11 : BIODIVERSITY, CONSERVATION AND SOCIAL ISSUES***(For Regular - 2024 Admission)*

Time : Three Hours

Max. Weights: 30

PART A**Answer any 8 questions****Weight: 1**

1. How do you calculate the density of a species in a community? (U)
2. Describe the services provided by Agricultural Biodiversity. (An)
3. How do you define water conservation? (U)
4. Explain the human activities which accelerate global warming. (R)
5. Discuss various programmes and policies implemented for Wild life protection in India. (An)
6. Define rarity. (U)
7. Explain the characteristics of biodiversity hotspot. (U)
8. Compare *in-situ* and *in-vitro* conservation methods. (R)
9. Define the term 'biodiversity'. (R)
10. Expand and Explain IUCN. (R)

(1 x 8 = 8)**PART B****Answer any 6 questions****Weights: 2**

11. Explain various habitat restoration methods. (An)
12. What are the steps that can be adopted at the individual level for water conservation? (U)
13. Explain different types of quadrats and transects. (An)
14. What are the advantages and disadvantages of domesticated biodiversity? (U)
15. Discuss the impacts of human activities on watershed. (An)
16. Discuss some of the national programmes for biodiversity conservation. (An)
17. Discuss the influence of heterozygosity in fitness of a population. (An)
18. Comment on the activities and functions of Kerala State Biodiversity Board. (U)

(2 x 6 = 12)**PART C****Answer any 2 questions****Weights: 5**

19. What are the objectives of water conservation? Discuss in detail any four methods of water conservation. (E)
20. Discuss various *Ex-situ* conservation methods employed in biodiversity conservation. (E)
21. Discuss various biodiversity conservation strategies. (E)
22. Explain Biogeographical classification of India. (U)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
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Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;