

M.Sc. DEGREE END SEMESTER EXAMINATION - NOVEMBER 2025**SEMESTER 1 : BOTANY****COURSE : 24P1BOTT03 : ECOLOGY, ENVIRONMENTAL BIOLOGY AND PHYTOGEOGRAPHY***(For Regular - 2025 Admission and Improvement / Supplementary 2024 Admission)*

Time : Three Hours

Max. Weights: 30

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

1. Write the significance of Food chain. (A)
2. Write a note on RET species. (U)
3. Explain species accumulation curve. (R)
4. Differentiate between Ecotypes and Ecospecies. (R)
5. Explain Phytoremediation. (U)
6. Expand the following : UNEP,IPCC,UNFCC (U)
7. Write the applications of GIS in vegetation. (U)
8. Explain the significance of Ecological succession. (U)
9. Differentiate between allogenic and autogenic succession. (U)
10. Write a note on Keystone species. (U)

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

11. Explain the reason for biodiversity loss. (U)
12. Explain the role of bioreactors in sewage treatment. (An)
13. Write a note on the causes and effects of global warming. (U)
14. Describe the different scope of ecology. (U)
15. Briefly explain the characteristics of populations. (U)
16. Explain the different interspecific interactions. (U)
17. Explain the applications of succession in restoration ecology. (An)
18. Explain the characteristics of r and k selected species. (U)

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

19. Write an essay on various disaster due to climate change in the world. (An)
20. Explain the different diversity measures to evaluate community characteristics. (An)
21. Write an essay on the vegetation types of the Western Ghats. (U)
22. Explain the different aquatic and terrestrial ecosystem. (I)

(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;