

**M.Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2026****SEMESTER 4 : ZOOLOGY****COURSE : 24P4ZOOT13 : ENVIRONMENTAL SCIENCE- CONCEPTS AND APPROACHES***(For Regular 2024 Admission)*

Time: Three Hours

Max. Weights: 30

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

1. Write notes on UNCCD. (U)
2. Mention the seasons experienced in India. (R)
3. Write a note on the criticism on the 'Theory of Island Biogeography'. (An)
4. Describe the role of temperature on regional patterns of precipitation. (R)
5. Write notes on Bali Road Map. (U)
6. Comment on the role of carrying capacity studies in land suitability analysis. (E)
7. What are the characteristics of biomes? (U)
8. Write on sand, silt and clay composition. (U)
9. What is the importance of polar ice sheets on global water cycle? (R)
10. Comment on 'disturbance hypothesis' for invasion success. (U)

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

11. Discuss, how air mass and its movement over the Earth influences global climatic patterns? Add a note on *El nino*. (E)
12. Discuss the effects of oceans and continents in precipitation patterns. (U)
13. Discuss the impacts and management of Invasions. (A)
14. What are dykes? How they are formed? (U)
15. Explain sea floor spreading and continental drift. (U)
16. Discuss, different components of climate system. (E)
17. Classify CRZs in India. Add a note on the activities permitted and prohibited in each zone. (U)
18. Comment on in-vitro conservation of biodiversity. (An)

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

19. Give an account of the threatened animals of India. (U)
20. Elaborate on soil texture and soil classification. (E)
21. Describe the Ecological Significance of Western Ghats. ( )
22. Write an essay on global pattern of precipitation and the influence of topography. ( )

**(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;