

Reg. No

Name

24P4032

M. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024

SEMESTER 4 - ZOOLOGY

COURSE : 21P4ZOOT15 - ENVIRONMENTAL MANAGEMENT AND DEVELOPMENT

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Comment on green plans. (R, CO 1)
2. What is green revolution? Who is its proponent? (U)
3. Comment on different management practices for wasteland. (U, CO 2, CO 4)
4. Differentiate screening and scoping in the EIA process (U, CO 3)
5. What are the principles of a sustainable society? (U)
6. What is ecorestoration? (An, CO 2, CO 4)
7. Define Environmental cost benefit analysis. (R, CO 1)
8. Explain Brundland Commission report (A)
9. Scoping is an essential step in the EIA process – discuss the statement (An, CO 3)
10. What is ERS? (R, CO 6)
(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. Explain the significance of ecological footprint. (U, CO 1)
12. In the tug of 'Environment Vs Development' where is your position? Explain (A)
13. Explain the management practices for grasslands. (U, CO 2, CO 4)
14. Write briefly on risk assessment and disaster management programme (U, CO 3)
15. Describe on any two methods of EIA process. (U, CO 3)
16. 'Conflicts of interest are the basis of all environmental issues'. Justify this statement (A)
17. What is GIS? What are the main applications? (R, CO 6)
18. Prepare a note on Commission on Sustainable Development (E)
(2 x 6 = 12)

PART C

Answer any 2 questions

Weights: 5

19. Explain the paradigm shifts that the world had witnessed in mangement practices. (U, CO 2, CO 4)
20. Write an essay on Life Cycle Assessment (LCA). Comment on its significance (R, CO 3)
21. What can I do, as a citizen, for development to be more sustainable in my country? (A, CO 5, CO 6)
22. Environment & development are the two sides of the same coin, but a conflict of interest. Verify the statement (A)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Discuss the principles of environmental management, modelling and auditing	U	1, 7, 11	4
CO 2	Discuss the fundamental and advanced concepts of environmental management concepts	U	3, 6, 13, 19	9
CO 3	Describe environmental planning, eco remediation and restoration	U	4, 9, 14, 15, 20	11
CO 4	Examine the concepts and objectives of EIA and its processes like Baseline data collection, Impact assessment, Impact prediction, EMP	U	3, 6, 13, 19	9
CO 5	Examine the concepts EIA documentation, types of impact assessment, SEA, CIA, SIA	U	21	5
CO 6	Evaluate the concepts and principles of remote sensing and GIS and their applications to environmental studies	U	10, 17, 21	8

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;