

Reg. No

Name

23P325

M Sc DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 3 : ENVIRONMENTAL SCIENCE

COURSE : 21P3EVST10 : ENVIRONMENTAL MONITORING AND MANAGEMENT

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

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. What are the advantages of Eco-labelling? (U, CO 2, CO 5)
2. Mention the principles of sustainable development. (U, CO 2)
3. Write a short note on Environmentally Sound Management of Biotechnology. (U, CO 3, CO 4)
4. What are the advantages of LCA? (U, CO 2, CO 5)
5. Outline the Environmental dimensions of Sustainable development. (U, CO 2)
6. What is the Earth Charter? (U, CO 2)
7. What is Ecological restoration? (U, CO 3, CO 4)
8. What are the advantages of modern agriculture technology? (An, CO 3)
9. Why is population relevant to the environment? (E, CO 3, CO 6)
10. Write the three main stages in which LCA is made. (E, CO 2, CO 5)
(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. Explain Capitalist and Socialist Models of Common Property Resource Management. (E, CO 2, CO 5)
12. Explain Community-Based Environmental Protection. (U, CO 2)
13. Write notes on various environmental modeling. (R, CO 1)
14. What are the advantages of traditional and modern agricultural technology? (An, CO 3)
15. Write a note on Earth Summit. (U, CO 2)
16. What are the needs of Eco-funds (E, CO 2, CO 5)
17. Explain ISO 26000 and its basic foundation principle (E, CO 2, CO 5)
18. What is Corporate Environmental Responsibility (E, CO 2, CO 5)
(2 x 6 = 12)

PART C
Answer any 2 questions

Weights: 5

19. Write an essay on Effects of Population Growth on our Environment. (An, CO 3, CO 6)
20. Explain the role of environmental movements/environmentalism for the Green revolution. (U, CO 3)
21. What do you mean by Sustainable Development? How can the Sustainable Development Goals (SDGs) achieved? (An, CO 3)
22. "Everything is connected to everything else" Illustrate this concept, with food chains and food webs, competition within communities, and the relationship between predators and their prey. (An, CO 3, CO 6)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Find professional level employment and pursue research for contributing to the betterment of humanity and in shaping a sustainable society	R	13	2
CO 2	Explain the environmental, social and economic framework in which environmental management decisions are made.	U	1, 2, 4, 5, 6, 10, 11, 12, 15, 16, 17, 18	18
CO 3	Develop environmental strategies, policies, programmes and systems that promote sustainable development.	Cr	3, 7, 8, 9, 14, 19, 20, 21, 22	26
CO 4	Analyze environment management systems and formulate solutions that are technically sound, economically feasible, and socially acceptable.	A	3, 7	2
CO 5	Decide measures for resource conservation.	E	1, 4, 10, 11, 16, 17, 18	11
CO 6	Formulate environmental monitoring and assessment reports and monitor progress of environmental improvement programs.	Cr	9, 19, 22	11

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