

M. Sc. DEGREE END SEMESTER EXAMINATION - APRIL 2026**SEMESTER 2 : ENVIRONMENTAL SCIENCE****COURSE : 24P2EVST06 : DISASTER MANAGEMENT***(For Regular 2025 Admission and Improvement/Supplementary 2024 Admission)*

Time : Three Hours

Max. Weights: 30

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

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| 1. | What was the reason for Bhopal disaster. | (R, CO 1, CO 3, CO 4) |
| 2. | Give some measures adopted for reconstruction after a disaster. | (U, CO 1, CO 3, CO 4) |
| 3. | Explain Hazard. | (U, CO 1) |
| 4. | Write notes on Search and Rescue (SAR) in disaster response. | (U, CO 1, CO 3) |
| 5. | Write notes on storage and handling of hazardous waste. | (U, CO 3, CO 4) |
| 6. | What is the role of remote sensing in disaster management? | (U, CO 3, CO 4) |
| 7. | Comment on community based mitigation measures for floods. | (U, CO 1) |
| 8. | Why are gender issues important in the disaster preparedness plans? | (U, CO 1, CO 3) |
| 9. | What is an emergency operation plan. | (R, CO 2) |
| 10. | What is meant by conflict reduction in disaster mitigation? | (U, CO 1, CO 2) |
| | | (1 x 8 = 8) |

PART B**Answer any 6 questions****Weights: 2**

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| 11. | Comment on hazard zonation. | (U, CO 1, CO 3) |
| 12. | Explain the importance of economic development in disaster mitigation. | (U, CO 1, CO 2) |
| 13. | Differentiate between structural mitigation and non structural mitigation. | (U, CO 1, CO 2) |
| 14. | Write notes on different types of geological disasters. | (U, CO 1) |
| 15. | What are the reasons for increased mortality from communicable diseases? | (U, CO 1, CO 3, CO 4) |
| 16. | Comment on physical vulnerability assessment. | (A, CO 1, CO 3, CO 4) |
| 17. | Comment on sustainability in community based disaster management. | (U, CO 3, CO 4) |
| 18. | Explain the different components of GIS. | (U, CO 3, CO 4) |
| | | (2 x 6 = 12) |

PART C
Answer any 2 questions

Weights: 5

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| 19. | Explain disaster preparedness plans for an ecosystem - based project for increasing resilience and reducing DRR. | (U) |
| 20. | Discuss the methods of information dissemination that can be utilized in the Community-Based Approach. | (U, CO 3, CO 4) |
| 21. | Explain the recovery and reconstruction after a disaster. | (U, CO 1, CO 3, CO 4) |
| 22. | Explain disaster as an opportunity for development. | (U) |
| | | (5 x 2 = 10) |

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Define terms disaster management, its components and structure and relate to manage the Public Health aspects of the disasters	U	1, 2, 3, 4, 7, 8, 10, 11, 12, 13, 14, 15, 16, 21	24
CO 2	Demonstrate to describe, analyze and evaluate the environmental, social, cultural, economic, legal and organizational aspects influencing vulnerabilities and capacities to face disasters.	U	9, 10, 12, 13	6
CO 3	Choose to design and perform research on the different aspects of the emergencies and disaster events while demonstrating insight into the potential and limitations of science, its role in society and people's responsibility for how it is used.	U	1, 2, 4, 5, 6, 8, 11, 15, 16, 17, 18, 20, 21	26
CO 4	Categorize the various pathways, tools and entry points for integrating CCADRR and sustainability concerns into developmental planning across sectors, national, subnational and local plans and actions of DM	An	1, 2, 5, 6, 15, 16, 17, 18, 20, 21	22

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