

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

Duration : Three Hours

Max. Weights: 30

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

1. What is meant by nonstructural mitigation? (U, CO 1, CO 2)
 2. What are Urban Disasters? (R, CO 1)
 3. Name any two NGO working in disaster management in India. (R, CO 3, CO 4)
 4. When is triage necessary and why? (U, CO 3, CO 4)
 5. Name four emergency services in disasters. (U, CO 1, CO 3, CO 4)
 6. What is the significance of public education and training in disaster preparedness? (U, CO 1, CO 3)
 7. What is an emergency operation plan (R, CO 2)
 8. Explain reconstruction and rehabilitation. (U, CO 1, CO 3)
 9. What do you mean by vulnerability assessment? (U, CO 1, CO 3, CO 4)
 10. Differentiate between Resilience and Capacity. (E)
- (1 x 8 = 8)**

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

11. Comment on the organizational framework of disaster management in India. (E, CO 2)
 12. What are the negative effects of the media in relation to a disaster? (U, CO 3, CO 4)
 13. Describe ECO DRR with an example (A, CO 1, CO 3, CO 4)
 14. Evaluate disasters as opportunities for development initiatives. (U, CO 1, CO 3)
 15. What are the Key Concepts of Climate Change Adaptation. (An)
 16. Explain economics for disaster recovery and reconstruction. (U, CO 1, CO 3, CO 4)
 17. Explain vulnerability analysis. (U, CO 1, CO 2)
 18. What do you mean by landuse planning? (U, CO 3, CO 4)
- (2 x 6 = 12)**

PART C

Answer any 2 questions

Weights: 5

19. Explain the different steps in disaster management for earthquake. What is the importance of structural mitigation in this context? (U, CO 1, CO 2)
20. Explain the recovery and reconstruction after a disaster. (U, CO 1, CO 3, CO 4)
21. Explain disaster preparedness plans for an ecosystem - based project for for increasing resilience and reducing DRR. (U)
22. Explain hazardous materials and discuss the ways of storing and handling them. (U, CO 3, CO 4)

(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, 5, 6, 8, 9, 13, 14, 16, 17, 19	19
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	1, 7, 11, 17, 19	11
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	3, 4, 5, 6, 8, 9, 12, 13, 14, 16, 18, 20	21
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	3, 4, 5, 9, 12, 13, 16, 18, 20	17

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