



Term Evaluation (Even) Semester Examination March 2025

Roll no.....

Name of the Course and semester: B. Tech.(CSE)-VIIIth Semester

Name of the Paper: Disaster Management

Paper Code: TDM-881

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub questions
- (ii) Each question carries 10 marks.
- (iii) Please specify COs against each question.

Q1. (10 Marks)

- a. Discuss the interrelationship between these concepts and how they are applied in the context of natural and man-induced disasters. (CO2)

OR

- b. Examine the mitigation measures that can be implemented to reduce the impact of these disasters, and the role of governments and communities in disaster management. (CO1)

Q2. (10 Marks)

- a. How did the local, state, and national authorities respond to the disasters, and what lessons were learned from these events? (CO1)

OR

- b. What are the global hotspots for tsunamis and earthquakes, and what measures can be taken for disaster preparedness and mitigation? (CO3)

Q3. (10 Marks)

- a. Provide examples of how poorly planned development can increase vulnerability to disasters, and how disaster preparedness and risk reduction can promote sustainable development. (CO2)

OR

- b. Explain the various factors that affect vulnerability to natural and man-made disasters. How do factors such as socioeconomic status, gender, age, and geographic location contribute to differential impacts of disasters? (CO3)

Q4. (10 Marks)

- a. Discuss specific climate adaptation strategies that can help communities mitigate the impacts of disasters like floods, droughts, heatwaves, and cyclones. What challenges do developing nations face in implementing these strategies? (CO3)

OR

- b. Provide examples of how indigenous communities in various parts of the world have used local knowledge to effectively manage disaster risks and reduce vulnerabilities. (CO3)



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Mid Term (Even) Semester Examination March 2025

- Q5. (10 Marks)
- a. Discuss the geographical and climatic factors that make Uttarakhand vulnerable to various natural disasters like landslides, floods, and cloud bursts. (CO2)

OR

- b. How can these stakeholders work together to create effective disaster management plans? Discuss the importance of coordination and collaboration among different levels of government and non-governmental organizations in disaster preparedness, response, and recovery. (CO4)