



R20 Regulation

Subject code:308GA&308HA

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

**B.Tech VIII Semester Supplementary Examinations, November 2025**

## DISASTER MANAGEMENT

(Common to CSE(AI&ML) & CSE(DS))

Maximum Marks: 70

Date: 27.11.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
  2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
  3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
  4. Each question carries 10 marks and may have a, b, c, d as sub questions.

### Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	Bloom Tx
1	What is Meteorological disaster?	2M	1	BL1
2	List the various causes of environmental hazards.	2M	1	BL1
3	Define crisis management	2M	2	BL1
4	What is disaster Preparedness?	2M	2	BL1
5	Mention the importance of capacity building.	2M	3	BL2
6	What is the role of SDMA?	2M	3	BL2
7	List any two ways to reduce the trauma of a disaster	2M	4	BL1
8	What is the importance of industrial safety plan?	2M	4	BL1
9	Give the essence of disaster management act, 2005.	2M	5	BL2
10	What is the aim of disaster risk reduction plan?	2M	5	BL1

### Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	Bloom Tx
11	Discuss about concept of environmental stress and disaster. Also explain the different types of man induced disasters effecting the environment.	10M	1	BL2
OR				
12	Explain the different types of vulnerabilities and the approaches to assess them.	10M	1	BL2
13	Discuss the various stages of disaster management cycle and describe the Disaster Management Cycle in relation to poverty and vulnerability of the affected people.	10M	2	BL2
OR				
14	Discuss the earthquake risk mitigation techniques. Add a note on a few prominent earthquakes which occurred in India in last two decades and the lessons learnt from them.	10M	2	BL2
15	How the structural and non-structural components are used in risk reduction strategies? Explain.	10M	3	BL2

	OR			
16	Discuss the legislative responsibilities of the central and state governments under India's disaster management laws.	10M	3	BL2
17	Discuss the various coping strategies used by individuals and communities in the aftermath of natural disasters. How do they contribute to disaster resilience in vulnerable communities? Provide examples.	10M	4	BL2
	OR			
18	Examine the role of safety norms and compliance standards in preventing industrial disasters. Also add a note on the importance of emergency survival kits in industrial disaster preparedness.	10M	4	BL2
19	Describe the key elements of an effective disaster management plan. Add a note on how proactive planning strategies contribute to risk reduction.	10M	5	BL3
	OR			
20	Give an account of the organizational structure of disaster management in India. How do various institutions coordinate during emergencies?	10M	5	BL2