



R20 Regulation

Subject code:306CD

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, May 2025

DISASTER MANAGEMENT

(ME)

Maximum Marks: 70

Date: 27.06.2025

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.
 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	BTL
1	What is environmental hazard?	2M	1	L1
2	How to prevent a Hazard from changing into a disaster?	2M	1	L1
3	Define capacity building.	2M	2	L1
4	Define physical and biological Hazards.	2M	2	L1
5	Define Earthquake	2M	3	L1
6	What is meant by land slides?	2M	3	L1
7	What is crisis management?	2M	4	L1
8	What are the basic requirements in an emergency kit?	2M	4	L1
9	Define disaster management.	2M	5	L1
10	Define pre-disaster stages.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	a) Distinguish between environmental stress, hazard and disaster giving examples.	5M	1	L2
	b) Describe Ecosystem approach and the perception approach of disaster management.	5M		
OR				
12	a) How does human perception changes with environmental degradation? Discuss.	5M	1	L2
	b) How does landscape approach aid in reducing environmental stress? Give examples.	5M		
13	a) How is environmental hazard linked to ecology? Explain with respect to Drought.	5M	2	L2
	b) Drought and floods occur in the same region but at different times. Explain the reason.	5M		
OR				
14	Differentiate between environmental hazard and disaster with examples.	10M	2	L2

15	What is capacity building and explain various elements of capacity building in detail.	10M	3	L2
OR				
16	Write down the causes and distribution of earthquake clearly.	10M	3	L2
17	Write about vulnerabilities to floods and earthquakes in detail.	10M	4	L2
OR				
18	What are the mitigation measures taken for disaster and explain about survival kits.	10M	4	L2
19	a) What is the disaster preparedness plan and its various aspects. b) Discuss the mitigation strategies with reference to specific disasters.	5M 5M	5	L2
OR				
20	a) Response is the first stage of the Disaster management cycle. Discuss. b) Discuss in detail the Disaster Management Act 2005 and policies in India.	5M 5M	5	L2