R20 Regulation *Subject code: 3O6CD*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, April 2026

DISASTER MANAGEMENT

(ME)

Maximum Marks: 70 Date: 25.04.2026 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	Distinguish between hazards and vulnerabilities.	2M	1	L1
2	What are the different types of environmental hazards?	2M	1	L1
3	State the difficulties of displaced people during disaster.	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	Specify the importance of early warning systems.	2M	4	L1
8	What is global warming.	2M	4	L1
9	Define disaster management.	2M	5	L1
10	Define post-disaster stages.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain briefly about the concept of environmental stress and disaster.	10M	1	L2
	OR			
12	Explain clearly about landscape approach and perception approach of disaster management.	10M	1	L2
13	Explain the man induced hazards with examples.	10M	2	L2
	OR			
14	a) What is earthquake and explain causes of earthquake disaster. b) Analyze the consequences of an earthquake with a real case scenario.	5M 5M	2	L2
15	a) Explain the need for effective disaster management strategies. b) What are the pre-disaster measures are taken to prevent loss of life due to any hazard?	5M 5M	3	L2
	OR			
16	a) Explain about Global disaster phenomenon like global warming, ozone depletion pollution. b) Discuss the methods that can be adopted to reduce the effect of Pollution.	5M 5M	3	L2

17	a) What is risk management and how it helps in after effects of disaster. b) What is crisis management and explain the steps in crisis management.	5M 5M	4	L2
	OR			
18	Discuss the role of media in a global pandemic like Covid-19.	10M	4	L2
19	Give an account of the various essentials and their uses in an emergency kit during disasters.	10M	5	L2
	OR			
20	a) Write about vulnerabilities to floods and earthquakes. b) What is environmental stress and explain about types of environmental stress.	5M 5M	5	L2