



R20 Regulation

Subject code:306CD

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Regular/Supplementary Examinations, July 2024

## Disaster Management

(Open Elective-I)

(Mechanical Engineering)

Maximum Marks: 70

Date:01.08.2024 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)		CO	Bloom Tx
1	What are the different types of environmental disasters?	1	I
2	Give any two recent natural disasters in India.	1	I
3	List the goals of crisis management.	2	I
4	What is an early warning system in disaster?	2	I
5	Is legislative support important in capacity building? How?	3	II
6	Write the significance of capacity strengthening.	3	I
7	Present any two limitations of traditional concepts in disaster management.	4	II
8	Mention the importance of safety norms in industries.	4	I
9	List any two important features of the disaster management policy.	5	I
10	What is the role of urban local bodies in disaster management?	5	I

### Part-B

Answer All the following questions. (5X10M=50Marks)			
11	Present a typical case of man-made hazard and discuss how it could be controlled and regulated. [10]	1	III
OR			
12	Critically examine the various factors affecting vulnerability in disaster management. [10]	1	IV
13	Draw the disaster management cycle and explain every stage of it. [10]	2	II
OR			
14	A. Explain the development plans adopted in disaster management. [5] B. What are the fundamental underpinnings of disaster risk management? [5]	2	II
15	Analyze how structural and non-structural components are used in risk reduction strategies. [10]	3	IV
OR			
16	Discuss the Counter-Disaster Resources and their utility in Disaster Management. [10]	3	II

17	Present the various safety norms and plans in industries to cope with disaster. [10]	4	III
	OR		
18	Analyze the role of different types of media in disaster management. [10]	4	IV
19	Give a detailed account of disaster management act, 2005. [10]	5	III
	OR		
20	Discuss the risk reduction strategies followed during the disaster involving floods. [10]	5	II