R20 Regulation *Subject code: 3O7FA*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, May 2026

DISASTER MANAGEMENT

(IT)

Maximum Marks: 70 Date: 14.05.2026 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	Define meteorological disaster.	2M	1	L1
2	What is a hydrological hazard.	2M	1	L1
3	What is DRF?	2M	2	L1
4	What are the different earthquake zones in India?	2M	2	L1
5	What is meant by capacity building?	2M	3	L1
6	List the role of legislature in capacity building.	2M	3	L1
7	What is coping strategy?	2M	4	L1
8	Write the benefits of disaster management centers.	2M	4	L1
9	List any two features of National Policy on Disaster Management.	2M	5	L1
10	What are the different types of satellites used for monitoring and control of environmental hazards?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Discuss the characteristics and damage potential of manmade hazards.	10M	1	L2
	OR			
12	a) Write a note on floods and discuss its types and causes. b) Write about the levels of disaster and give factors effecting disaster.	5M 5M	1	L2
13	Discuss the five key components of effective disaster management. Define disaster with reference to major environmental concerns. Discuss recent trends in disaster management with special reference in India	10M	2	L2
	OR			
14	a) Write a short note on effect of cyclones. b) What activities are undertaken to mitigate the effects of a cyclone in a coastal area?	5M 5M	2	L2
15	a) Describe the structural measures for control of floods. b) Identify and discuss the various hazards which are associated with volcanic eruptions.	5M 5M	3	L2
	OR			

16	Why there is a need for capacity building? Categorize its vital components.	10M	3	L2
17	Explain the role of mass media and communication in disaster management.	10M	4	L2
	OR			
18	Discuss about the legislative support of state and national level.	10M	4	L2
19	Explain in detail about disaster management act 2005.	10M	5	L2
	OR			
20	a) Evaluate the role played by NGOs in disaster management plan. b) What are the different nodal ministries involved in India for various disasters.	5M 5M	5	L2