R22 Regulation *Subject code: 4O8AA*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B. Tech VIII Semester Regular Examinations, May 2026

Disaster Management

(Common to CE & CSE(DS))

Maximum Marks: 60 Date:08.05.2026 Duration: 3 hours

Note:
1. **This question paper contains two parts A and B.**
2. **Part A is compulsory which carries 10 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 (10X1M=10 Marks)		Marks	CO	BTL
1.a)	Define hazard.	1	1	L1
b)	List dimensions of vulnerability.	1	1	L2
c)	Define risk management.	1	2	L1
d)	What is mitigation?	1	2	L2
e)	Define capacity assessment.	1	3	L1
f)	What is legislative support in disaster management?	1	3	L2
g)	Define coping strategies.	1	4	L2
h)	What is the role of mass media in disasters?	1	4	L1
i)	Define disaster management planning.	1	5	L2
j)	What is disaster management policy?	1	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
2	a) Explain different approaches to disaster management. b) Draw the disaster management cycle and explain every stage in it.	5M 5M	1	L3
	OR			
3	a) Discuss vulnerabilities to flood and earthquake hazards. b) Explain in detail about the global trends in disasters.	5M 5M	1	L4
4	Discuss response and recovery mechanisms.	10	2	L3
	OR			
5	Explain prevention, mitigation, and preparedness strategies.	10	2	L3
6	a) Explain capacity building concepts and importance. b) Explain in detail the climate adaptation cycle.	5M 5M	3	L3
	OR			
7	a) Explain counter-disaster resources and their utility. b) Explain the environmental and socio-economic impacts due to Land use changes.	5M 5M	3	L3
8	Discuss the role of mass media in disaster management.	10M	4	L4

	OR			
9	Explain industrial safety planning in disasters.	10M	4	L3
10	a) Analyze disaster management act and policy in India. b) Explain the conceptual framework for disaster risk reduction.	5M 5M	5	L4
	OR			
11	a) Discuss steps in formulating a disaster risk reduction plan. b) Explain the roles and responsibilities of various agencies in disaster mitigation and management.	5M 5M	5	L4