



R20 Regulation

Subject code: 306CD

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Regular Examinations, June/July 2023

## Disaster Management

(Mechanical Engineering)

Maximum Marks: 70

Date:05.07.2023 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)

- 1 Define Environmental hazards.
- 2 What is climatic stress?
- 3 Define crisis management?
- 4 What is risk transfer?
- 5 Write short note on education on disasters.
- 6 What are the different types of tectonic plates moments in earth quakes.
- 7 Explain the industrial safety plan for disaster management
- 8 Define mass media.
- 9 Write brief on disaster management policy in India
- 10 What are the uses of state disaster management plans?

### Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain the damage potential of different natural hazards. [10]  
OR
- 12 Indicate different approaches to reduce the environmental hazard with an aim to avoid human activities that lead to a disaster. [10]
- 13 Write an account on disaster risk management related to chemical safety. [10]  
OR
- 14 Explain the importance of planning for relief of any disaster. [10]
- 15 What are the structural and non-structural mitigation measures in the event of a cyclone? [10]  
OR
- 16 Explain the necessity of legislative support at the national level for capacity building. [10]
- 17 Explain about changing concepts of disaster management. [10]  
OR
- 18 What are chemical hazards? What corrective measures can be taken to mitigate the effects of such risk? Describe taking the example of Bhopal incident. [10]
- 19 Explain the various steps in the preparation of disaster management plan. [10]  
OR
- 20 Explain the steps in formulating a disaster risk reduction plan. [10]