



Regulation R18

Subject code: 206AA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

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

**Disaster Management**  
(Civil 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.  
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 endogenous and exogenous hazards?
- 2 What is a biological hazard? Give examples
- 3 Compare the risk and Hazard.
- 4 What are the different stages in disaster management cycle?
- 5 What is meant by capacity building?
- 6 Write a short notes on use of GIS for disaster relief work
- 7 Write short notes on education on disasters.
- 8 Write the benefits of disaster management centers.
- 9 Write the full forms of the following:
  - i. NDMA
  - ii. NIDM
  - iii. WHO
  - iv. NDRF
- 10 What are the different uses of satellites in monitoring and control of environmental hazards?

Part-B

Answer All the following questions.

(5x10M = 50 Marks)

- 11 Classify the environmental hazards. Explain it briefly. (10m)  
OR
- 12 a) Write a note on floods and discuss its types and causes. (7m)  
b) Describe the flood prone areas/regions in our country. (3m)
- 13 Write in brief on the disaster management cycle with neat sketch. (10m)  
OR
- 14 a) Write a short note on effect of cyclones. (5m)  
b) What activities are undertaken to mitigate the effects of a cyclone in a coastal area? (5m)
- 15 a) Describe the structural measures for control of floods (6m)  
b) Define WHO. What are the objectives of WHO? (4m)  
OR
- 16 What are the various UN agencies which play a role in disaster mitigation work? Explain. (10m)

- 17 Explain the role of mass media and communication in disaster management. (10m)  
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. (10m)
- 19 Write an account on the strategies for disaster management planning. (10m)  
OR
- 20 a) Evaluate the role played by NGOs in disaster management plan. (7m)  
b) What are the different nodal ministries involved in India for various disasters (3m)