



B.Tech IV Semester Regular/Supplementary Examinations, July 2021

**Disaster Management**  
(Mechanical Engineering)

Maximum Marks: 70

Date: 06.08.2021 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 Distinguish hazards and vulnerability.
- 2 List the characteristics of a pandemic.
- 3 Write the goals of disaster management.
- 4 Specify the importance of early warning systems.
- 5 How does capacity influence disaster?
- 6 State the difficulties of displaced persons.
- 7 List out the uses of safety plan in industries.
- 8 Is disaster relief, a priority? Why?
- 9 State the objectives of disaster risk reduction plan.
- 10 Name a few manmade disasters.

**Part-B**

Answer All the following questions.

(5X10M=50Marks)

- 11 Present a typical case scenario of a man-made hazard, its impact on environment and living beings. [10]  
OR
- 12 Analyze the consequences of an earthquake with a real case scenario. [10]
- 13 Discuss the various stages of an effective disaster management mechanism. [10]  
OR
- 14 Give an account of mitigation measures and relief plans for various types of disaster. [10]
- 15 Describe the merits and limitations of various tools for damage assessment. [10]  
OR
- 16 Explain the possible risk reduction measures in hazardous gas leaks from industries. [10]
- 17 Give an account of the various essentials and their uses in an emergency survival kit. [10]  
OR
- 18 Discuss the role of media in a global pandemic like Covid-19. [10]
- 19 Prepare a disaster management plan for a raging forest fire. [10]  
OR
- 20 Enumerate the key features of disaster management policies in India. Add a note on recent policy updates. [10]



R18 Regulation

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

Subject code:204EA

**B.Tech IV Semester Supplementary Examinations, March/April 2023**

**DISASTER MANAGEMENT**

(Mechanical Engineering)

Maximum Marks: 70

Date:11.04.2023 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 10 questions. Answer any 5 questions which carry 10M.
  4. Each question carries 10marks and may have a, b, c, d as sub questions.

**Part-A**

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define disaster management?
- 2 What are the different types of environmental hazards?
- 3 What is risk management?
- 4 What is Crisis management?
- 5 Mention the capacity building types
- 6 Which technique is used to reduce the risk
- 7 Give two examples of coping strategies
- 8 What is coping strategy?
- 9 What are the three stages of disaster management?
- 10 List three pre-disaster activities to reduce the impact of cyclones

**Part-B**

Answer any all the questions

(5X10M=50Marks)

- 11 Explain the types of disasters? [10]  
OR
- 12 Write about different approaches for disaster? [10]
- 13 Explain disaster cycle with neat diagram. [10]  
OR
- 14 Describe about crisis management. [10]
- 15 How structural and non-structural measures assess the capacity? [10]  
OR
- 16 Define Manmade disaster and write a case study on manmade disaster? [10]
- 17 How to cope with disaster and write its procedure. [10]  
OR
- 18 Explain the changing concepts of DM. [10]
- 19 Write about pre-disaster planning steps? [10]  
OR
- 20 What is earth quake and explain causes, effects and relief measures. [10]