



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]

