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**Roll No. ....**

**TDM-881**

**B. TECH. (EIGHTH SEMESTER)**

**END SEMESTER**

**EXAMINATION, May, 2023**

**DISASTER MANAGEMENT**

**Time : Three Hours**

**Maximum Marks : 100**

**Note :** (i) All questions are compulsory.

(ii) Answer any *two* sub-questions among  
(a), (b) and (c) in each main question.

(iii) Total marks in each main question are  
**twenty.**

(iv) Each sub-question carries 10 marks.

1. (a) What is meant by volcanic eruption ?  
Explain its causes and its hazards effects.

(CO1)

**P. T. O.**

(b) What do you mean by Manmade Disaster ?

(CO1)

(c) Explain the causes of flood. Write different flood control measures used in India.

(CO1)

2. (a) Define the following terms : Earthquake, Cyclones, Landslides, Drought.

(CO2)

(b) Explain in brief about chemical hazards and the impact on the environment by the release of toxic chemicals.

(CO2)

(c) Explain any *two* natural hazards or disaster and their impact on humans.

(CO2)

3. (a) Discuss the role of NGOs and local administration during the disasters.

(CO3)

(b) Discuss the impact of population explosion and Urbanization on disasters.

(CO3)

(3)

(c) "Adaption is the principal way to deal with impacts of changing climate". Comment.

(CO3)

4. (a) What is Disaster Assessment ? What are the stages of assessments ? (CO4)

(b) What is the immediate relief that must be provided after any disaster strikes ? (CO4)

(c) What is the role of rehabilitation in post disaster management ? (CO4)

5. (a) Discuss the Disaster Management Act, 2005. (CO5)

(b) Define the role and responsibilities of NDRF during the time of disasters. (CO5)

(c) Explain challenges to disaster management in the Himalayan region.

(CO5)