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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)

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(2)

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- (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)