

16/2023

(3 Hours)

Total Marks: 80

Note:

1. Question No. 1 is compulsory.
2. Attempt any **THREE** out of the remaining **FIVE** questions.
3. Assume suitable data if necessary.

- 1 Answer the following (any 4) (20)
  - a) Define the terms: Mitigation, Triage 5
  - b) What is Climate Change? What are the effects of Global Warming? 5
  - c) What is Disaster Scenario of India? 5
  - d) What are Man-made hazards? Also discuss possibilities of chemical spills. 5
  - e) Explain Risk and Vulnerability. 5
- 2
  - a) Elaborate the guidelines laid down by NDMA for disaster management in India. 10
  - b) What are different types of flood? Enlist structural mitigation measures for flood. 10
- 3
  - a) Explain disasters related to industries. Discuss the socioeconomic impact of industrial disasters with a case study. 10
  - b) Enlist and explain various terms and concepts with respect to earthquakes. 10
- 4
  - a) Explain role of various softwares in disaster management. 10
  - b) What are different mitigation measures for Tsunami and Cyclones? 10
- 5
  - a) What is the role NGO in disaster management? Enlist major NGOs working on disaster management 10
  - b) Appraise the role of Geo-informatics in disaster management 10
- 6
  - a) Explain various means of raising finance for mitigating and managing disasters 10
  - b) Discuss the role of GIS and Remote Sensing in disaster management. 10

\*\*\*\*\*