

(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.

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| 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 |
