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Total No. of Questions: 09

Total No. of Pages: 02

**B. Tech. (CE) (Sem. 7, 8)**  
**DISASTER MANAGEMENT**  
**Subject Code: BTCE-802**  
**Paper ID: A2957**

Time: 3 Hrs.

Max. Marks: 60

**INSTRUCTIONS TO CANDIDATES:**

1. Section A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. Section B contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. Section C contains **THREE** questions carrying **TEN** marks each and students attempt any **TWO** questions.

**SECTION A**

**1. Write briefly:**

- a) Differentiate between natural and man-made hazards.
- b) What is NDMA? Explain its role in disaster management.
- c) What is tsunami? What are the various causes of tsunami?
- d) Discuss preparedness to mitigate cyclonic hazard.
- e) What are the points kept in mind for maintaining calm during an earthquake.
- f) Explain disaster mitigation.
- g) List the major role of remote sensing system in disaster management.
- h) What are NGOs. List any two NGOs involved in disaster management.
- i) List some methods of effective dissemination of information required for disaster management.
- j) What do you understand by rehabilitation?

**SECTION B**

2. What is meant by Disaster management? Explain the process of disaster management.
3. What is smog? What are the various reasons for the presence of smog in the northern region of India during the month of November?

4. What are flash floods? Name one recent flash flood that affected large population of a region in India.
5. Explain the mitigation measures required for earthquakes.
6. Explain the role of government agencies for disaster management.

### SECTION C

7. What are the causes of global warming? Describe the impact of global warming on climate related disasters.
8. Discuss various types of natural disasters in India and highlight their effects.
9. Discuss the concept and significance of coordination in disaster management.