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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CE) (2011 Onwards) (Sem.-7,8)

**DISASTER MANAGEMENT**

Subject Code : BTCE-802

Paper ID : [A2957]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION 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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.
4. Assume any data suitably.

**SECTION-A****1. Write briefly :**

- a) Disaster preparedness
- b) People's participation in disaster management.
- c) Mitigation
- d) Disaster Management Cycle.
- e) Discuss the role of SDMA.
- f) Mention the types of drought?
- g) Risk Assessment
- h) What are the typical adverse effects of floods?
- i) Tropical cyclones
- j) What do you understand by Rapid onset natural disaster?

**SECTION- B**

2. Explain natural disasters and its mitigation strategies.
3. Discuss the stages in disaster recovery and associated problems.
4. What are the major phases of electronic warning system?
5. Explain various community based disaster management.
6. What kind of Emergency medical and essential public health services can be suggested for an earthquake affected area?

**SECTION- C**

7.
  - a) What is remote sensing? How it helps in the prevention of disasters?
  - b) Explain in detail about GIS applications in disaster Risk reduction.
8. Write short notes on :
  - a) Landslides and Avalanches
  - b) Uses of Remote Sensing and GIS
9. What are the causes for the Bhuj Earthquake which inflicted heavy loss to life and property in Gujarat? Specify its epicenter and magnitude.