

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

DISASTER MANAGEMENT

Subject Code : BTCE-802

M.Code : 71860

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

Q.1. Answer briefly :

- a) Differentiate between disaster and hazard.
- b) Differentiate between natural and man-made disasters with example.
- c) List the important phases of disaster management cycle.
- d) What is EMS?
- e) What do you understand by gender sensitive disaster management approach?
- f) What are early warning systems? How are they used in disaster management?
- g) How is risk -time chart used in disaster management?
- h) List any 2 causes of landslide.
- i) List the various emergency services that need to be in place during a disaster.
- j) What are the advantages of participatory decision making approach in disaster management?

SECTION-B

- Q2 Discuss the mitigation measures for an earthquake.
- Q3 Discuss the role of insurance sector in disaster management.
- Q4 Explain how dissemination of information is important in disaster management?
- Q5 Discuss the advantages of participatory decision making approach in disaster management.
- Q6 List and explain the various mitigation measures in respect of disasters in urban areas.

SECTION-C

- Q7 Write notes on :
- a) Ecological and sustainable development models for disaster management.
 - b) knowledge base expert systems in hazard scenario.
- Q8 Discuss the technological intervention in the infrastructure development for tackling the following natural disasters :
- a) Earthquake
 - b) Flood
- Q9 Describe :
- a) Vulnerability and risk mapping.
 - b) Disaster recovery operations.