

B.E. 4/4 (Civil) II-Semester (Main) Examination, May / June 2011

Subject : **Disaster Mitigation and Management** (Elective – III)

Time : 3 Hours

Max. Marks: 75

**Note:** Answer all questions from Part-A and  
answer any **Five** questions from Part-B.

**PART - A (25 Marks)**

1. Distinguish between the human induced and human made disasters. 2
2. What are the jungle fires? 2
3. Write a short note on the intensity of earthquakes. 3
4. Mention the various causes of cyclones. 3
5. Write about the different reasons for the traffic accidents? 3
6. What do you mean by disaster mitigation? 2
7. Define the term hydrometeorological based disasters. 2
8. What are the reasons for the occurrence of avalanches? 3
9. Mention the role of state government in disaster mitigation. 3
10. Identify the element at risk with respect to Tsunami. 2

**PART - B (50 Marks)**

- 11.a) Describe the various causes of earthquakes. 5
- b) Discuss the different precautionary measures to be taken in the construction of dams and buildings. 5
- 12.a) Describe the different types and causes of landslides. 5
- b) What are the remedial measures in controlling the landslides? 5
- 13.a) What is a Tsunami? Describe the various precautions to be taken for reducing the effect of Tsunami? 5
- b) What are the effects of avalanches? 5
- 14.a) Discuss the role of remote sensing in controlling the disasters. 5
- b) Explain certain applications of GIS in disaster management and mitigations. 5
- 15.a) Illustrate a chemical industrial hazard that you know. 5
- b) What are the implications of major power break downs? 5
16. Write notes on :
  - i) Drought
  - ii) Disaster