

**Total No. of Pages : 01**

**Total No. of Questions : 08**

**M.Tech. (SE) (Elective-IV) (Sem.-3)**

## DISASTER REDUCTION AND MANAGEMENT

**Subject Code : CE-520**

**Paper ID : [E0865]**

**Time : 3 Hrs.**

**Max. Marks : 100**

**INSTRUCTIONS TO CANDIDATES :**

- 1. Attempt any FIVE questions out of EIGHT questions.**
- 2. Each question carries TWENTY marks.**
- 3. Assume any other data suitably if not given.**

- Q1. What are various codal provisions for earthquake resistant design of structures that need to be enforced strictly before designing a structure? Explain.
- Q2. What do you mean by seismic base isolation method? How it is carried out? Discuss.
- Q3. What are criteria for preparedness for disposal of dead bodies in case of a disaster like earthquake?
- Q4. What are precautions in release of hazardous materials like poisonous gases to avoid the environmental pollution?
- Q5. What is role of volunteers in management of relief and rehabilitation? How it is effective in social rehabilitation? Explain.
- Q6. Discuss critically role of remote sensing in relief operations. How much they are effectively implemented? Explain.
- Q7. What is the role of CD-ROM library for natural disaster management? Explain its usefulness to the society.
- Q8. How much the demonstrations and exhibitions play an effective role in disaster management? Explain.