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Total No. of Pages : 02

Total No. of Questions : 08

M.Tech. (Civil Engg.) (Sem.-3)
DISASTER REDUCTION & MANAGEMENT

Subject Code : MTCE -218

M.Code : 74767

Date of Examination : 23-12-2022

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions in all, out of EIGHT questions.
2. Each question carries TWENTY marks.

1.
 - a) Discuss the different design criteria for earthquake resistant structures.
 - b) State the different codal provisions for earthquake resistant design of structures and explain efforts in enforcing the provisions.
2.
 - a) Discuss and contrast the conventional and current methods of earthquake resistant design of structures.
 - b) Explain the importance of retrofitting in earthquake disaster management in India. What are the major issues in retrofitting in a typical Indian city?
3.
 - a) Discuss the possible strategies for improving the preparedness to meet earthquake disaster in your region.
 - b) Explain the role of planning and land use management in disaster management.
4.
 - a) Explain, how important is information management in earthquake disaster management.
 - b) Discuss the various precautions after a major earthquake.
5. Discuss the management measures in respect of the following disasters (i) fire (ii) release of poisonous gas.
6. Discuss the structure of National disaster management cell in India. Critically discuss the issues in effective coordination in disaster management in India taking any case study.
7. Explain the following in respect of disaster management (i) damage reconnaissance (ii) role of volunteers

8. Write notes on the following:

- a) Disaster information resources network
- b) Long term disaster preparedness
- c) Role of remote sensing in disaster management
- d) Danger zone restrictions.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.