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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech (Civil Engg.) (2021 Onwards EL-IV) (Sem.-3) DISASTER REDUCTION & MANAGEMENT Subject Code : MTCE -218 M Code : 74767

M.Code : 74767

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.
- Q1. a) Discuss- the response spectra concept and list the different design parameters for earth quake resistant design.
 - b) Explain the instrumentation in seismic motion recording and data processing.
- Q2. Discuss the different design criteria for earth quake resistant design. Also, contrast between conventional design approach and the present design approach.
- Q3. a) Discuss the importance of public awareness in disaster management. Explain, how the public awareness could be achieved?
 - b) Explain the role of land use planning in disaster management.
- Q4. a) Explain the various factors which affect the damage of structures.
 - b) Discuss the various indirect damages due to earthquake disaster.
- Q5. Discuss the mitigation seasures in respect of the following disasters :
 - a) Fires
 - b) Floods and sunamis
- Q6. Give the structure of National disaster management in India. Indicate the role of disaster management cells at state and local level.
- Q7 a) Explain the use of remote sensing and GIS in disaster management.
 - b) What are the major precautions to be taken after a major disaster like nuclear radiation?
- Q8. Discuss the importance of the following in disaster management :
 - a) Disaster information resources network and documentation centre.
 - b) Volunteers and NGOs.

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.

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