

Roll No.

Total No. of Pages : 01

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M.Tech (Civil Engg.) (2019 Onwards EL-IV) (Sem.-3)

DISASTER REDUCTION & MANAGEMENT

Subject Code : MTCE -218

M.Code : 74767

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

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

1. a) “Enforcement of codal provisions is recommended for Disaster Reduction & Safety.”
Discuss codal provisions. (10)
b) Write a note on ‘Seismic Instruments’. (10)
2. Explain in detail about Retrofitting and Restoration techniques for buildings subjected to damage due to earthquakes. (20)
3. a) Write a note on preparedness for medical safety of the people during/after the earthquake. (10)
b) Discuss precautions, you will take after a major earthquake. (10)
4. a) Discuss bad effects of nuclear radiation on human beings. (10)
b) What is Liquefaction of soil? How does it occur? How is it detrimental? (10)
5. Discuss causes and preventive measures you will adopt for control of fire in :
a) A residential building (8)
b) A factory. (12)
6. What are the various sources from which data can be derived to be used for role of remote sensing? (20)
7. a) Give the role of media in effective disaster management. (10)
b) Mention and explain various attributes of emergency management system. (10)
8. Write short notes on :
a) Asian Disaster Preparedness Centre (7)
b) Danger Zone Restrictions (7)
c) Role of Govt. in Relief Operations. (6)

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.