

No. of Printed Pages : 03

Roll No.

H150

B. Tech. EXAMINATION, May 2019

(Eighth Semester)

(B. Scheme) (Main & Re-appear)

(CE)

CE486B

DISASTER MANAGEMENT

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Section.

(2-13/17) M-H150

P.T.O.

Section I

1. Define Disaster Management. Discuss recent trends in disaster management with special reference to India. **15**
2. Discuss the guiding principles of disaster mitigation and elaborate the problem areas in disaster mitigation. **15**

Section II

3. Explain the Droughts and Cyclones natural disaster hot spot of India. Elaborate with suitable example. **15**
4. What is the role and responsibility of NDMA in disaster preparedness ? **15**

Section III

5. Describe and explain the general requirements, principles and measures for building design for Earthquake and Tsunami safety of structure. **15**

6. (a) Give adverse effects of Landslides. Also discuss the Landslides mitigation measures. **8**
- (b) Write a short note on Seismic Micro-zonation. **7**

Section IV

7. (a) Describe the procedure for estimation of Fire Load as per IS:1641. **8**
- (b) Explain in detail about GIS applications in disaster Risk reduction. **7**
8. What is Chemical Hazards ? Explain the different types of hazards in chemical industries and describe the pre and post disaster measures of chemical hazards. **15**