

24512

B. Tech 7th Semester Civil F-Scheme

Examination, December-2017

DISASTER MITIGATION MANAGEMENT

Paper-CE-403-F

Time allowed : 3 hours]

[Maximum marks : 100

**Note :** Question number 1 is compulsory. Attempt Four questions by selecting one question from each Section. All questions carry equal marks.

- 1.
- (i) Name three countries where major disaster has occurred in recent pass. 10×2=20
  - (ii) Name the three major earthquakes recently occurred.
  - (iii) Define earthquake zone.
  - (iv) Describe the occurrence of hurricane.
  - (v) Define disaster profile elements
  - (vi) Explain water driven disaster
  - (vii) Define soft floor in multistroyed buildings.
  - (viii) Explain disaster cycle.
  - (ix) Describe Tectonic plates
  - (x) Importance of ozone layer for human being.

**Section-A**

2. (i) Describe the role of an engineer to control any type of disaster. 10
- (ii) To reduce the effect of any disaster, the integrated efforts of all agencies are needed. Explain it. 10

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3. (i) What is disaster mitigation? Explain the methods to reduce the effect of earth quake. 10  
(ii) Explain disaster occurrence Laws. 10

**Section-B**

4. What is disaster? Explain in detail the hydrological, coastal and marine disaster. 20
5. Explain the causes of occurrence of land sliding. Describe briefly the preventive measures to check land sliding. 20

**Section-C**

6. (i) Write short note on Forest Fire. 10  
(ii) Describe any type of mine disaster. 10
7. Describe wind and water driven disaster. How these can be prevented? 20

**Section-D**

8. Write general provisions as perscribed against earthquake for masonry load bearing structures. 20
9. Write short notes on:-  
(i) Effects of earth quake on soil characteristics. 10  
(ii) Modern techniques used for hazard resistant construction. 10

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