

300895(20)

**B. E. (Eighth Semester) Examination,
April-May, 2016**

(Old Scheme)

**(AEI, Bio Tech, Chem., Civil, CSE, Elect. EEE, EI,
ET & T, IT, Mech., Mining, Metallurgy, Mechatronics,
Engg. Branch)**

DISASTER MANAGEMENT

(Elective-IV)

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Each question has four parts. Part (a) is compulsory. Attempt any two parts from (b), (c) and (d).

Unit-I

1. (a) Write general characteristics of cyclone.

2

300895(20)

PTO

[2]

- (b) What are the natural and man made disaster? 7
- (c) Write about the general principles and criteria for earthquake resistant design of structure. 7
- (d) What is draught? Explain impact of drought. 7

Unit-II

- 2. (a) Define landslide vulnerability. 2
- (b) Discuss about environmental impact assessment (EIA) process. 7
- (c) Write short notes on disaster zoning. 7
- (d) Give guidelines for construction at the prone area structures. 7

Unit-III

- 3. (a) Define Mitigation. 2
- (b) Give essential steps for Hazard Mitigation. 7
- (c) Explain the disaster preparedness with example. 7
- (d) Discuss about my family disaster plan. 7

[3]

Unit-IV

- 4. (a) How does the earthquake affect the structure? 2
- (b) Explain the roles of engineers in disaster mitigation. 7
- (c) Give the guidelines of planning for improving the cyclonic resistance building and structure. 7
- (d) What are the Indian strategies for flood management? 7

Unit-V

- 5. (a) Define E. O. C. 2
- (b) Describe recovery function after disaster. 7
- (c) Explain long term relief measures. 7
- (d) Write about short term relief and rescue operation of flood affected area. 7