

(b) Discuss the guidelines as per Indian Standards for EXIT in different categories of public buildings.

8. Discuss possible measures for prevention of chemical hazards. How MIS contributes significantly in prevention of chemical hazards ? **15**

No. of Printed Pages : 04

Roll No. ....

**H-150**

**B. Tech. EXAMINATION, May 2017**

(Eighth Semester)

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

CE

CE-486-B

DISASTER MANAGEMENT

*Time : 3 Hours]*

*[Maximum Marks : 75*

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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.

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**Note :** Attempt *Five* questions only which carry equal marks. However, a student should attempt at least *one* question from every Section. Any data if missing can be suitably assumed. Use of scientific calculator is allowed.

**M-H-150**

**4**

**650**

**(1-09/1) M-H-150**

**P.T.O.**

### Section A

1. (a) Define the following terms : **10**
- (i) Disaster
  - (ii) Hazard
  - (iii) Risk
  - (iv) Vulnerability
  - (v) Mitigation.
- (b) What are the advantages of Mitigation ? **5**
2. (a) How are disasters classified ? Discuss with examples. **10**
- (b) What do you understand with disaster management cycle ? **5**

### Section B

3. What is Disaster Management Act, 2005 ? Explain the suggested structure for disaster management and role of its constitutional bodies. **15**

M-H-150

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4. (a) Define the structural characteristics of tropical cyclone in northern hemisphere. How cyclones have been classified by Indian Meteorological Department ? **10**
- (b) Discuss the vulnerability of cyclones in India. What preventive measures can be included in such areas ? **5**

### Section C

5. (a) Classify the landslides. What do you understand with the term Landslide Hazard Zonation Mapping ? What is its significance in disaster management ? **10**
- (b) Discuss various mitigation measures against Landslides. **5**
6. What are the causes of avalanches ? Discuss its impact on society. How early warning system can be developed against avalanches ? **15**

### Section D

7. (a) What are the main causes of fire ? How it can be minimized ? **15**

(1-09/2) M-H-150

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P.T.O.