

24512

B. Tech. 7th Sem. (Civil Engineering)

Examination – May, 2015

DISASTER MITIGATION & MANAGEMENT

Paper : CE-403-F

Time : Three Hours]

[Maximum Marks : 100

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

Note : (i) Question No. 1 is *compulsory*.

(ii) Each question carries equal mark (20 marks).

(iii) Students have to attempt 5 questions in total at least *one* question from each Section.

1. Write short notes on the following : $5 \times 4 = 20$

- (i) Accidental disaster
- (ii) Tornadoes
- (iii) Global warming
- (iv) Seismic Zones in India
- (v) Deep focus earthquake

SECTION – A

- 2. (a) How relief measures play a critical role in management of disaster management. 10
- (b) Discuss the nature definitions and types of calamities. 10
- 3. (a) What do you mean by Marine Disaster ? What are the cause and effect of this disaster ? 10
- (b) What is landslide ? What are the different types of landslide ? <http://www.HaryanaPapers.com> 10

SECTION – B

- 4. (a) Define Drought ? Discuss its causes and effect on people. 10
- (b) Write short note on Uttarkashi Disaster. 10
- 5. Examine the rehabilitation program that could be effective in dealing with natural disasters. Cite cases in support of your answer. 20

SECTION – C

- 6. (a) Discuss the factor that leads to formation of Tornadoes. What measures are effective to minimize the damage caused due to Tornadoes ? 10
- (b) Discuss the natural types and characteristics of Volcanoes. 10

7. What is earthquake ? Discuss its nature and effects. Do you think it is possible to avoid the loss of life by taking precautions before hand ? 20

SECTION - D

8. Discuss codal provision for Soil structure interaction and load bearing masonry wall against earthquake. Explain in detail with neat sketch. 20
9. Write short note on following : 20
- (i) Soft floors
 - (ii) Symmetry eccentric loading
-

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