Total No. of Questions: 07

B. Architecture (2012 & Onwards) (Sem.-10)
DISASTER MANAGEMENT-I

Subject Code: BACH-1004 Paper ID: [74343]

Time: 3 Hrs. Max. Marks: 60

## **INSTRUCTIONS TO CANDIDATES:**

- 1. Question no.1 is compulsory.
- Attempt FOUR questions more with minimum ONE question from each unit from the rest.

## Q1 Write brief note on the following:

(5x2)

- I. Fire distance.
- II. Epicenter.
- III. Earthquake zones in India.
- IV. Tsunami.
- V. Dhajji wall.

## **UNIT-I**

- Q2 What are the various types of Disasters? Discuss in detail the reasons for natural disasters.  $(12\frac{1}{2})$
- Q3 Enlist various special construction techniques used to make the RCC buildings safer in high intensity seismic zones. (12 ½)
- Q4 Illustrate the behavior of a masonry building during earthquake. How can you control the twisting effect caused during earthquake? (12½)

## **UNIT-II**

- Q5 Define Cyclones. What various measures should be taken to minimize the effect of cyclones on the shelters?  $(12\frac{1}{2})$
- How you as an Architect can make the buildings safer for Fire? Explain the various Fire safety requirements to be included in the buildings as per latest building code.  $(12\frac{1}{2})$
- Q7 Discuss in detail the various Post Disaster management problems and issues.  $(12\frac{1}{2})$

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