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**B. Architecture (2012 & Onwards) (Sem.–10)****DISASTER MANAGEMENT-I****Subject Code : BACH-1004****M.Code : 74343****Time : 3 Hrs.****Max. Marks : 50****INSTRUCTIONS TO CANDIDATES :**

1. Question no.1 is compulsory. Each Question carries TWO marks each.
2. Attempt FIVE questions including Question ONE which is COMPULSORY. Choose ATLEAST ONE question from UNIT I and II.
3. All questions carry equal marks.

**1. Write short notes on the following :**

- a. Generation of the tsunami
- b. Floods
- c. Earthquake Magnitude
- d. What is base isolation system?
- e. Liquefaction

**UNIT-I**

2. What is a disaster? Discuss various types of manmade disasters give example of recent major manmade disaster in India.
3. What is the cause for Earthquakes? How they are measured? Discuss the techniques commonly used for making the masonry structures Earthquake resistant.
4. Is it possible to build “Earthquake Resistant” buildings? If so, give details which need to be incorporated in architectural design and construction to make the RCC structures earthquake resistant.
5. Discuss the role played by an Architect in the process of Disaster management.

## UNIT-II

6. What are the main reasons for forest fire? Discuss the precautions we can take to reduce the economic and human loss.
7. What are the major factors behind the formation avalanche? Discuss the precautions we can take to avoid avalanches.
8. The main factors which contribute to landslides. Discuss the preparedness, mitigation and post disaster relief measures taken in case of landslides.
9. What are the different stages of Disaster management? Discuss the role played by an NDRF in rescue and relief operations in India.

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**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.**