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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 : 60****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. Each question in UNIT-I and UNIT-II carries TWELVE AND A HALF MARKS (12.5).

**1. Briefly describe the following in 2 - 3 sentences each :**

- a) Seismic band
- b) Base isolation
- c) Pre disaster issues
- d) Landslide
- e) Short circuit

**UNIT-I**

2. Discuss the importance of the subject of Disaster Management for architects. What role can architects play in this sphere?
3. Explain the principles of earthquake resistant design. Highlight any two construction techniques to make buildings safe from earthquakes.
4. Draw the seismic map of India and mention any four design / construction requirements for Zone 5.
5. Define an Earthquake and explain the terms seismic waves, epicenter, intensity and magnitude.

## UNIT-II

6. Discuss techniques of constructing buildings to withstand floods.
7. Enumerate the causes and effects of fires in buildings.
8. Describe various post disaster problems and explain how these can be tackled.
9. Give architectural design parameters for protecting buildings from cyclones.

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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.**

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