

No. of Printed Pages : 03

Roll No. ....

**2090**

**B. Arch. EXAMINATION, May 2018**

(Ninth Semester)

(Old Scheme) (Re-appear Only)

(ARCH)

AR521G

DISASTER IN MANAGEMENT IN ARCH. IX

*Time : 3 Hours]*

*[Maximum Marks : 50*

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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 in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-58/1) M-2090

**P.T.O.**

### **Unit I**

1. What is an earthquake ? How earthquakes occur ? Write short note on principles for earthquake resistant structures.
2. Write short notes on the following :
  - (a) Cross bracing
  - (b) Pre-stressing
  - (c) Seismic joints.

### **Unit II**

3. Write short note on general requirement, principles and measures for designing fire safety in institutional buildings as per NBC 2005.
4. Write short notes on the following :
  - (a) Wet riser
  - (b) FHC
  - (c) Smoke detectors
  - (d) Sprinkler systems.

### **Unit III**

5. Write short note on flood resistant building design principles.
6. Write short note on storm resistant building design methods.

### **Unit IV**

7. Write short note on blast resistant building design methods.
8. What are fallout structures ? Write a brief note on how to design a fallout structure economically ?