

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

June, 2015

00496

**BARE-076 : DISASTER MANAGEMENT
(ELECTIVE – 2)**

Time : 3 hours

Maximum Marks : 70

Note : Answer any five questions. All questions carry equal marks.

1. (a) How can one make the buildings safer against floods ? Elaborate some techniques and strategies with illustrations. 7
- (b) Briefly explain the various types of hazards that can result from earthquakes. 7

2. (a) Explain the terms, hazards, preparedness and recovery. Explain your answer through various examples. 7
- (b) Elaborate the essential features of a disaster management plan for a building. 7

3. (a) What are the various causes of fires and how can these be prevented? 7
- (b) Explain the concept of community based disaster risk reduction and elaborate the various tools for the same. 7
4. (a) Elaborate the link between climate change adaptation and disaster risk reduction. 7
- (b) Which areas in India are vulnerable to Tsunamis and why? 7
5. (a) Briefly elaborate on the existing institutional system for disaster management in India. 7
- (b) Explain the reasons for various types of chemical and industrial accidents. What are the key considerations for preventing them? 7
6. (a) Explain the initiatives undertaken by various international organizations such as UNDP and World Bank for reducing disaster risks. 7
- (b) Explain the various causes and impacts of forest fires. 7

7. (a) What are the important policy considerations for sustainable post disaster recovery ? 7

(b) What are the reasons for increasing disaster vulnerability of cities in the Indian context ? Illustrate your answer with suitable examples. 7

8. Write short notes on any *four* of the following : $4 \times 3 \frac{1}{2} = 14$

(a) Types of Vulnerability

(b) Forest Fire Hazards

(c) Landslide Hazard

(d) Risk Assessment

(e) National Disaster Management Authority (NDMA)

(f) Earthquake
