

BACHELOR OF ARCHITECTURE (BARCH)

Term-End Examination

June, 2013

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

Time : 3 hours

Maximum Marks : 70

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

1. (a) Explain the main principles and techniques for making buildings safer against earthquakes. 7
- (b) Explain briefly, various types of hazards that can result from earthquakes. 7
2. (a) Explain the terms : vulnerability, disaster mitigation and retrofitting. Enumerate your answer through various examples. 7
- (b) Enlist main components of disaster management plan for a building or site. Explain any one component with its role and importance in the plan. 7

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3. (a) What are various types of floods and their causes ? What measures can be taken to prevent floods ? Discuss briefly. 7
- (b) What role can a community play in reducing disaster risks ? Briefly explain various tools and methods for community based disaster risk reduction programmes. 7
4. (a) Explain how climate change may increase risk of disasters ? 7
- (b) Which areas in India are vulnerable to cyclones ? Discuss some initiatives generally taken by states to save people from cyclones. 7
5. (a) Briefly describe the existing institutional system for disaster management in India. 7
- (b) Explain what kind of impacts can disasters of various types have on economy and development ? Support your answer with examples. 7
6. (a) Explain some of the initiatives undertaken by various international organizations, such as UNDP and world bank, for reducing disaster risks. 7
- (b) Explain various causes and impacts of forest fires. 7

7. (a) Write and explain some important policy considerations for a sustainable post disaster recovery. 7
- (b) Discuss how an urban disaster risk reduction programme can be made more effective ? 7
8. Write short notes on *any four* of the following topics. 4x3½=14
- (a) Disaster profile
- (b) Industrial accidents
- (c) Drought
- (d) Risk Assessment
- (e) National Institute of Disaster Management (NIDM)
- (f) Role of training in disaster management.
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