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## MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER B. ARCH. DEGREE EXAMINATION – DEC 2019/JAN 2020

SUBJECT: ARC-14-411.4 DISASTER MANAGEMENT  
(2014 SCHEME)

Wednesday, January 08, 2020

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any FULL FIVE Questions.

✍ Answer all parts of a question.

1A. Explain briefly the causes, characteristics and impacts of Tsunami with respect to the Built Environment.

1B. Discuss the role of architect in reducing the impact of a landslide.

1C. Differentiate between response and recovery and preparedness phase of disaster management system.

(4+3+3 = 10 marks)

2A. Explain briefly on any four architectural considerations contributing to Hospital disaster management

2B. Explain the methodology for Disaster Risk Assessment.

(5+5 = 10 marks)

3. What is Community Based Disaster Management (CBDMD)? Discuss its principles, strategies and challenges with respect to flood.

(1+3+3+3 = 10 marks)

4A. What is SOP? What are the characteristics of SOP in India in case of an earthquake?

4B. What are the objectives and duties of a search and rescue team?

((2+3)+5 = 10 marks)

5. Define rehabilitation and elaborate on its types.

(1+9 = 10 marks)

6. Write short notes on:

6A. Chemical/ Industrial disasters

6B. Vulnerability

6C. Emergency Operation Center (EOC)

6D. Earthquake Resistant Design

(2½ marks × 4 = 10 marks)

