

MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER B. ARCH. DEGREE EXAMINATION – NOVEMBER 2018

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

Wednesday, November 07, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

- ✍ Answer any FOUR FULL Questions.
- ✍ Question no. 1 and 2 are mandatory questions.
- ✍ Assume suitable data wherever necessary.

1. What are the different classifications of Disasters? Also mention the types of disasters expected under those classifications. Consider most critical disaster for the city that you have studied and do a geographical mapping of its threat across India. What is the role of an architect with respect to that disaster?

(3+4+5+3 = 15 marks)

2. Write short notes on:

- 2A. Common Risk Assessment Methodology (CRAM)
- 2B. Risk Identification
- 2C. Risk Analysis
- 2D. Risk Evaluation
- 2E. Disaster Risk Reduction

(3 marks × 5 = 15 marks)

3. What is Incident Command System? Design the Incident Command System with respect to the city that you have studied for the disaster management. Distinguish your Incident Command System with respect to a city level disaster, state level disaster and country level disaster.

(2+4+4 = 10 marks)

4. Discuss ten features from bye laws of the city that you have studied, which helps in the critical disaster management.

(10 marks)

5. Mention the city that you have studied for Disaster management and list down two of the most expected disasters for that city. Mention three specific design considerations/guidelines for each of these disasters that can help hospitals for a better emergency preparedness. Also provide the justifications that how these considerations/guidelines will be helpful in specific types of disasters.

(3+6+1 = 10 marks)

