

MANIPAL ACADEMY OF HIGHER EDUCATION**SEVENTH SEMESTER B. ARCH. DEGREE EXAMINATION – JAN/FEB 2018****SUBJECT: ARC-14-411.4 DISASTER MANAGEMENT
(2014 SCHEME)**

Saturday, February 03, 2018

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✍ Answer any **FOUR FULL** Questions.
- ✍ Question no. 1 and 5 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 particular disaster?

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

2. Considering the Climate change as a disaster, discuss about the risk identification, risk analysis and risk evaluation. Explain its implications in Indian context.

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

3. Briefly discuss about the Incident Command System and Mass Casualty Management system. Explain them with respect to a city level disaster, state level disaster and country level disaster.

(5+5 = 10 marks)

4. Discuss five issues from Socio-cultural and economic aspects, which helps in the critical disaster management.

(2 marks × 5 = 10 marks)

5. **Writes short notes on:**

- 5A. Common Risk Assessment Methodology (CRAM)
- 5B. Disaster Risk Reduction
- 5C. Quantitative Risk Analysis
- 5D. Any specific Capacity Building Program
- 5E. Forecasting and Early Warning Systems

(3 marks × 5 = 15 marks)

