

III B. Tech II Semester Regular Examinations, April - 2016
DISASTER MANAGEMENT
(Civil Engineering)

Time: 3 hours

Maximum Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answering the question in **Part-A** is compulsory
 3. Answer any **THREE** Questions from **Part-B**

PART -A

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|---|----|---|------|
| 1 | a) | What is disaster? What is the difference between natural and manmade disasters? | [3M] |
| | b) | How do you protect yourself and your family in case of a nuclear disaster? | [4M] |
| | c) | Explain the vulnerability profile of India. | [3M] |
| | d) | Explain cyclone resistant houses for coastal areas. | [4M] |
| | e) | Explain trigger mechanism with the help of a flow chart. | [4M] |
| | f) | Write short notes on mitigation programmes for earthquakes. | [4M] |

PART -B

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|---|----|--|-------|
| 2 | a) | Write about state and International level disaster management programmers. | [7M] |
| | b) | Explain in detail about the Tsunami. What are all the damages caused by Tsunami? | [9M] |
| 3 | a) | Write the recommendations and measures for sustainable solid waste management. | [10M] |
| | b) | Write short notes on bio terrorism. | [6M] |
| 4 | a) | Describe the lessons and experiences from the various disasters in India | [9M] |
| | b) | Explain the Vulnerability mapping | [7M] |
| 5 | a) | What is a soft-storey? Describe the seismic response of a reinforced concrete framed building with a soft-storey? | [8M] |
| | b) | Explain the earthquake disaster risk management. | [8M] |
| 6 | a) | Explain the role of insurance sector in disaster resistant constructions. | [9M] |
| | b) | Explain the role of knowledge based expert systems in the area of disaster management. | [7M] |
| 7 | a) | Briefly explain the impact of disasters on poverty | [7M] |
| | b) | Explain the role of school children, red crescent movement in existing public awareness programmes for reducing the risk of disasters. | [9M] |

