

## III B. Tech II Semester Supplementary Examinations, November/December - 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 compulsory3. Answer any **THREE** Questions from **Part-B**

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**PART -A**

- 1 a) Mention some goals and objectives of ISRD programme. [3M]
- b) What causes manmade disasters and how do they affect us? [4M]
- c) Write short notes on reducing Vulnerability of essential services. [4M]
- d) Describe the organizational structure of the disaster mitigating agency. [4M]
- e) Explain the various strategies to be adopted for the disaster preparedness. [4M]
- f) Describe briefly health hazards due to disasters. [3M]

**PART -B**

- 2 a) Describe the disaster management cycle. [6M]
- b) Explain various disaster management schemes offered by government of India. [10M]
- 3 a) Write short notes on aids and their management [6M]
- b) Write the role played by Armed forces, NDRF police and civil defence to prevent manmade disasters. [10 M]
- 4 a) Explain the design procedure for disaster resistant construction? [7M]
- b) Explain the application of knowledge based expert systems in disaster mitigation [9M]
- 5 a) Explain the response of a reinforced concrete building with a soft- storey during an earthquake and describe the various methods of improving the performance of a soft-storey building? [10M]
- b) Explain the functions of an urban earthquake disaster risk Management? [6M]
- 6 a) Explain the various steps in planning for an earthquake disaster Mitigation? [8M]
- b) Explain the role of knowledge based expert system in disaster Management? [8M]
- 7 a) Write the requirements to optimize the performance of health information at all stages of disaster planning? [9M]
- b) Write short notes on Institutional capacity in disaster management? [7M]

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