(T) Roll No. .....

PAPER ID—11455

B. Tech. Computer Science and Engineering (Internet of Things and Cyber Technology Including Block Chain Technology) EXAMINATION, 2025

(Sixth Semester)

DISASTER MANAGEMENT

Open Elective Course-II

Time : 3 *Hours* *Maximum Marks* : 70

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

1. Explain the following terms : 7×2=14

(a) Global warming

(b) Flash flood

(c) Ozone layer depletion

(d) Land slide

(e) Nuclear hazards

(f) Cloud burst

(g) Mining disaster.

Unit I

2. What is disaster ? Discuss about the long term effects of disaster. 14

3. Discuss the significance of studying disaster management for security of human life. What role can an engineer play in controlling any type of disaster ? 14

Unit II

4. Write short notes on the following topics : 14

   (a) Earthquake

   (b) Fire hazards.

5. What do you understand by man-made disasters ? Describe industrial disaster in detail. What are its effects and how can it be prevented ? 14

Unit III

6. What do you mean by damage profile analysis ? Describe Bhuj and Uttarkashi earthquake in detail. 14

7. Write short note on the pandemic Covid-19 and its impact on human life. 14

Unit IV

8. Explain the implementation of remote sensing, GPS and GIS in disaster management. **14**

9. Discuss in detail the role and responsibilities of NIDM and NDMA for disaster management. **14**

