

III B. Tech I Semester Supplementary Examinations, June/July-2022
DISASTER MANAGEMENT
 (Common to CE, PE)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions **ONE** Question from **Each unit**
 All Questions Carry Equal Marks

UNIT-I

1. a) What is to be done during and after the earthquake? [8M]
 b) Draw the disaster management cycle and explain every stage in it. [7M]

(OR)

2. a) Explain in detail about the global trends in disasters. [8M]
 b) What are the different types of natural disasters? Explain in detail. [7M]

UNIT-II

3. a) Write short notes on the environmental and socio-economic impacts due to Land use changes. [8M]
 b) Explain data description about forest fire? [7M]

(OR)

4. a) When can developmental activities become the cause of disasters? Explain. [8M]
 b) Write short notes on solid waste management. [7M]

UNIT-III

5. a) Explain the environmental and socio-economic impacts due to Land use changes. [8M]
 b) Write in short about the effects of climate change on:
 (i) Weather, (ii) Agriculture and Forest, (iii) Human Health [7M]

(OR)

6. a) Explain in detail the climate adaptation cycle. [8M]
 b) What are the mitigation measures to conserve agriculture, water supply and air quality due to climate change. [7M]

UNIT-IV

7. a) Explain the importance and categories of disaster damage assessment. [8M]
 b) Describe about the evolution of Disaster Management in India and outline its structure and institutional framework. [7M]



Code No: R193101F

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SET - 1

(OR)

8. a) What are the ways the financial arrangements are facilitated for disaster mitigation? [8M]
b) What are the benefits of GIS in disaster management? [7M]

UNIT-V

9. a) Consider Bhopal gas disaster as a case study. Explain the applicable principles of disaster management to mitigate the effect of such disaster in future. [9M]
b) Explain the conceptual framework for disaster risk reduction. [6M]

(OR)

10. a) Explain the stages of disaster risk reduction and explain in detail. [8M]
b) Explain the roles and responsibilities of various agencies in disaster mitigation and management. [7M]

2 of 2

