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R-20

Code: 20A17MT

IV B.Tech. I Semester Supplementary Examinations May/June 2023

Disaster Management

(Common to CE & CSE)

Max. Marks: 70

Time: 3 Hours

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)

2. In Part-A, each question carries **Two marks**.

3. Answer **ALL** the questions in **Part-A** and **Part-B**

PART-A

(Compulsory question)

- | | | |
|---|----|----|
| 1. Answer all the following short answer questions (5 X 2 = 10M) | CO | BL |
| a) Differentiate risk and vulnerability. | 1 | 1 |
| b) Write any four impacts due to natural disasters. | 2 | 1 |
| c) Write about the scope of crisis management. | 4 | 1 |
| d) Enlist the components of disaster risk reduction. | 3 | 2 |
| e) Enlist the post disaster situations. | 5 | 2 |

PART-B

Answer **five** questions by choosing one question from each unit (5 x 12 = 60 Marks)

Marks CO BL

UNIT-I

- | | | | |
|---|----|---|---|
| 2. a) Describe the occurring of earthquake, its types of waves, impacts on society. | 6M | 1 | 2 |
| b) Describe any recent earthquake in India with one case study. | 6M | 1 | 2 |

OR

- | | | | |
|---|----|---|---|
| 3. a) Explain about the types of floods. | 4M | 1 | 2 |
| b) Describe any recent case study of flood disaster in India. | 8M | 1 | 2 |

UNIT-II

- | | | | |
|---|----|---|---|
| 4. a) Give complete classification of man-made disasters. | 4M | 2 | 1 |
| b) Describe about Bhopal gas tragedy with all details. | 8M | 2 | 2 |

OR

- | | | | |
|--|----|---|---|
| 5. a) Explain about Bio-war. | 4M | 2 | 2 |
| b) Describe about Covid-19, its occurrence and its impacts on world. | 8M | 2 | 2 |

UNIT-III

- | | | | |
|--|----|---|---|
| 6. a) What is crisis management and mention its methods. | 6M | 3 | 2 |
| b) Explain types of evacuation plans | 6M | 3 | 2 |

OR

7. a) Explain about the monitoring of hazardous components in industries. 6M 3 2

b) Discuss about the mock drills of evacuation during disaster. Take any one disaster as example. 6M 3 2

UNIT-IV

8. a) Define Disaster Risk Reduction (DRR) and discuss its stages. 6M 4 2

b) Discuss the methods adopted by National Disaster Management Authority (NDMA) towards DRR in India. 6M 4 3

OR

9. a) Explain any three methods of disaster risk assessment. 9M 4 2

b) Explain about any one international body working towards risk reduction. 3M 4 2

UNIT-V

10. a) Enlist about the change in land use pattern and its effects on human settlements in your native district. 4M 5 2

b) Explain about the statement: 'capacity building of society'. 8M 5 2

OR

11. a) Describe the methods and its strategies of rebuilding aftermath. 6M 5 2

b) Discuss about the disaster resistant design in built environment. 6M 5 2

*** End ***