



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

III B.Tech II Sem Regular End Examination, June 2022 Disaster Preparedness and Planning Management (EEE/CSE/IT)

Time: 3 Hours.**Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.

2. In Part – A, answer all questions which carries 20 marks.

3. In Part – B, answer any one question from each unit.

Each question carries 10 marks and may have a, b as sub questions.

PART- A**(10*2 Marks = 20 Marks)**

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|-------|---|----|-----|-----|
| 1. a) | Define the term disaster? | 2M | C01 | BL1 |
| b) | What is the significance of preparedness for disasters? | 2M | C01 | BL1 |
| c) | Distinguish between mitigation and prevention of disasters? | 2M | C02 | BL2 |
| d) | What is environmental hazard? | 2M | C02 | BL1 |
| e) | What are the economic aspects of disasters impact? | 2M | C03 | BL1 |
| f) | What are the physical aspects of disasters impact? | 2M | C03 | BL1 |
| g) | What is the significance of Vulnerability and capacity assessment of disasters? | 2M | C04 | BL1 |
| h) | What is the role of local institutions in disasters reduction? | 2M | C04 | BL1 |
| i) | Can you give clarity on what are the developmental projects that can cause disasters? | 2M | C05 | BL1 |
| j) | How environment is restored against manmade disasters? | 2M | C05 | BL1 |

PART- B**(10*5 Marks = 50 Marks)**

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|------|---|----|-----|-----|
| 2 a) | Evaluate the need of study of frequency and details of disasters? | 5M | C01 | BL5 |
| b) | Judge the need of prevention and need of mitigation of hazards? | 5M | C01 | BL5 |

OR

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|---|--|-----|-----|-----|
| 3 | Define resilience? Explain the role of resilience in disaster mitigation measures with examples? | 10M | C01 | BL2 |
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| 4 a) | Discuss and categorize various types of natural disasters in India and highlight their effects? | 5M | C02 | BL4 |
| b) | Explain the damage potential of various manmade hazards? | 5M | C02 | BL4 |

OR

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|---|---|-----|-----|-----|
| 5 | Write about a case study on manmade disaster which caused a huge havoc. | 10M | C02 | BL5 |
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- 6 a) Explain the disaster impacts related to demographic aspects ? 5M C03 BL2
b) Discuss the role of climate change on urban disasters and write possible outcomes? 5M C03 BL5
- OR
- 7 Write an overview on global and national disaster trends with examples? 10M C03 BL3
- 8 a) Explain how disasters vulnerability is predicted and capacity assessment is made? 5M C04 BL4
b) What are the post disaster environmental responses and discuss with any two examples? 5M C04 BL3
- OR
- 9 Discuss in detail about the principles of emergency response during first 72 hours of the disaster. 10M C04 BL4
- 10 a) What are the impacts of developmental projects such a dam construction and write the possible environmental modifications? 5M C05 BL2
b) What are the sustainable and environmental friendly recovery measures can be adopted due to natural disasters? 5M C05 BL3
- OR
- 11 Discuss on vulnerability of India to earthquake related hazards. Detail salient features of major disasters caused by earthquakes in different parts of India during the last three decades 10M C05 BL6

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