

R13

Code No: 126EC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, December - 2017

DISASTER MANAGEMENT

(Common to AE, AGE, AME, BEE, ECE, EIE, IT, MSNT, ME, MIE, PTM)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10-marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

- | | | |
|------|---|-----|
| 1.a) | What are the environmental hazards? | [2] |
| b) | What is ecosystem? | [3] |
| c) | Explain about chemical hazards. | [2] |
| d) | Define physical and biological Hazards. | [3] |
| e) | What is an earthquake? | [2] |
| f) | What are the causes of land slide? Explain. | [3] |
| g) | Define soil erosion. | [2] |
| h) | Define heat wave floods. | [3] |
| i) | Define disaster management. | [2] |
| j) | Define pre-disaster stages. | [3] |

PART - B

(50 Marks)

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|-----------|---|------|
| 2. | Define Ecology? Explain with the help of diagram Ecosystem Approach. | [10] |
| OR | | |
| 3. | Explain clearly the application of human ecology in geographical researches. | [10] |
| 4. | Write a detailed note on Natural hazard briefly. | [10] |
| OR | | |
| 5. | Explain briefly about the planetary disasters occurs and its management. | [10] |
| 6. | What are the environmental impacts of volcanic eruptions? Explain. | [10] |
| OR | | |
| 7. | How the mitigation and perception of earthquake is done in India? Explain. | [10] |
| 8. | How cyclones occur? Write a short note on Tropical cyclones and local storms. | [10] |
| OR | | |
| 9. | What are the factors of soil erosion? Explain in brief about conservation measures of soil erosion. | [10] |
| 10. | Write short notes on emergency stage in disaster management. | [10] |
| OR | | |
| 11. | What is meant by post disaster stage? Explain clearly. | [10] |