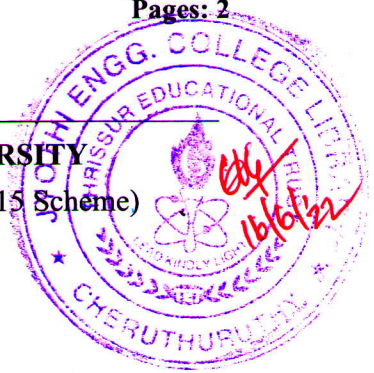


Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Eighth Semester B.Tech Degree Examination June 2022 (2015 Scheme)



Course Code: CE488

Course Name: DISASTER MANAGEMENT

Max. Marks: 100

Duration: 3 Hours

PART A*Answer any two full questions, each carries 15 marks.*

Marks

- | | | |
|------|--|------|
| 1 a) | Explain the components of Disaster Management Cycle. | (7) |
| b) | How earthquakes can be classified? | (8) |
| 2 a) | Hazards may be inevitable but disasters can be prevented. Justify the statement. | (5) |
| b) | What is Global Warming? What are the causes behind Global Warming? | (10) |
| 3 a) | Explain Vulnerability and Resilience. | (5) |
| b) | Discuss the various impacts of landslides. | (10) |

PART B*Answer any two full questions, each carries 15 marks.*

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|------|--|-----|
| 4 a) | How floods can be classified? | (6) |
| b) | Explain the factors leading to soil degradation. | (9) |
| 5 a) | What is desertification? Explain the various measures to minimise it. | (7) |
| b) | What are the causes for the Tsunami 2004 which inflicted heavy loss to life and property along the coast of Tamil Nadu? Explain the possible risk reduction measures associated with it. | (8) |
| 6 a) | Drought and floods occur in the same region but at different times. Explain the reason. | (6) |
| b) | Discuss the adverse effects of soil degradation. | (9) |

PART C*Answer any two full questions, each carries 20 marks.*

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|------|---|-----|
| 7 a) | Differentiate between primary and secondary air pollutant with example. | (4) |
| b) | Define Tidal wave. How can we protect a coastal area from tidal waves? | (8) |
| c) | What are the major causes of water pollution? | (8) |

- 8 a) Flood risk maps are an important medium of communication in sustainable flood management. Explain. (4)
- b) Rivers are the major sources of our water resources. How can we save the rivers from pollution? (7)
- c) Explain the effects of air pollution on human health, environment and economy. (9)
- 9 a) What you mean by NDMA and SDMA? (3)
- b) Explain the goals and objectives for flood hazard management. (5)
- c) Explain indoor air pollution and its sources. How can you improve indoor air quality? (12)
