

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIFTH SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2018

Course Code: CE369
Course Name: DISASTER MANAGEMENT

Max. Marks: 100

Duration: 3 Hours

PART A

- | | <i>Answer any two full questions, each carries 15 marks.</i> | Marks |
|---|--|-------|
| 1 | | |
| | a) Define the terms hazard and vulnerability. | (4) |
| | b) Explain the relationship between disasters and development. | (6) |
| | c) What are the factors affecting landslides. | (5) |
| 2 | | |
| | a) Define the terms exposure and risk. | (4) |
| | b) Explain the different types of natural disasters with their nature of impact on society. | (6) |
| | c) Recently Kerala has witnessed large number of landslides. Suggest suitable methods to prevent such incidence in future. | (5) |
| 3 | | |
| | a) Differentiate between natural and anthropogenic disasters | (2) |
| | b) Write down the causes and classification of Earthquakes in detail. | (7) |
| | c) Explain the impacts of earthquakes on urban areas? | (6) |

PART B

Answer any two full questions, each carries 15 marks.

- | | | |
|---|---|-----|
| 4 | | |
| | a) Give the difference between Cyclone and Tsunami. | (4) |
| | b) Elucidate the methods to prevent soil erosion. | (6) |
| | c) Explain the solutions for soil desertification. | (5) |
| 5 | | |
| | a) Write a short note on storm surges. | (4) |
| | b) List down the different types of cyclones. | (4) |
| | c) Explain the causes and effect of soil degradation. | (7) |
| 6 | | |
| | a) Give the classifications of Tsunami. Write the impacts of Tsunami, Kerala witnessed in 2004. Suggest suitable measures to mitigate such incidence. | (6) |
| | b) Explain the classification of flood in detail with their nature of impact. | (6) |
| | c) Explain the preventive measures for soil degradation. | (3) |

PART C

Answer any two full questions, each carries 20 marks.

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|---|--|-----|
| 7 | | |
| | a) Explain the effects of air pollution on human health and animals. | (8) |

- b) What are the factors responsible for air pollution in rural areas? (6)
- c) Write the functions and responsibility of Disaster Management. (6)
- 8 a) Explain the human activities responsible for air pollution. (6)
- b) Write the general list of important actions required in disaster management. (6)
- c) What are the specific preparedness measures to be taken for disasters? (8)
- 9 a) Explain the factors responsible for water pollution. (6)
- b) Discuss the steps to be taken for local disaster management plan? (8)
- c) Prepare the plans to be taken for tidal waves to reduce the risk of disaster. (6)
