

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019

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

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|---|---|-------|
| 1 | a) Explain differences between hazards and disasters. | (8) |
| | b) Define the terms risk, vulnerability and crisis. | (7) |
| 2 | a) Explain the concept of green house effect. | (7.5) |
| | b) What is Global Warming and what are the main causes of global warming. | (7.5) |
| 3 | a) Write a short note on the impact of earthquakes. | (7.5) |
| | b) Explain the term vulnerability with respect to earthquakes | (7.5) |

PART B

Answer any two full questions, each carries 15 marks.

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|---|--|-----|
| 4 | a) How do tsunamis originate? | (4) |
| | b) Why tsunamis become disastrous when they approach coastal regions? | (6) |
| | c) How will you assess the vulnerability of a coast to the attack of tsunamis? | (5) |
| 5 | a) List any five probable impacts of cyclones | (5) |
| | b) Explain the origin of cyclones | (4) |
| | c) Explain any one application of technology in cyclone disaster management | (6) |
| 6 | a) How do soils originate? | (4) |
| | b) What is soil degradation?: | (5) |
| | c) Explain the impacts of addition of e-waste to soils | (6) |

PART C

Answer any two full questions, each carries 20 marks.

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| 7 | a) What is water pollution. Briefly explain. | (2) |
| | b) List out the major causes of water pollution and describe | (8) |
| | c) Explain 'point sources' and 'non-point sources' of pollution with an example. | (6) |
| | d) List out the major water pollutants. | (4) |
| 8 | a) What is air pollution. | (2) |

- b) Discuss the major causes of air pollution. (6)
- c) What are the classification of air pollutants? Explain with example. (6)
- d) Describe the impacts of air pollution. (6)
- 9 a) Write a short note on flood forecasting (5)
- b) What are the mitigation measures for flood disaster? (8)
- c) What are the impacts of a cyclone? (7)
