

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIFTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), DECEMBER 2019

Course Code: CE369

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) With suitable examples explain the difference between the concepts of hazard and disaster | (8) |
| | b) Can all the reasons for a disaster be used for vulnerability assessment? Explain with an example | (7) |
| 2 | a) Explain any three reasons for the occurrence of landslides. | (9) |
| | b) What are the impacts of landslides on the surroundings | (6) |
| 3 | a) Explain the reasons for the occurrence of tectonic earthquakes | (9) |
| | b) Give the use of moment magnitude scale in seismic disasters management | (6) |

PART B

Answer any two full questions, each carries 15 marks.

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| 4 | a) Explain the causes and impacts of Tsunamis | (10) |
| | b) How will you connect the cyclones of Arabian sea to the climate change? | (5) |
| 5 | a) How will you assess the vulnerability of a river to get flooded? | (8) |
| | b) Explain any two non-structural measures to mitigate floods? | (7) |
| 6 | a) Describe the contour bunds and their uses | (7.5) |
| | b) How will you construct eco-friendly types of check dams to mitigate soil erosion | (7.5) |

PART C

Answer any two full questions, each carries 20 marks.

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| 7 | a) Agriculture sector can cause severe air pollution. Explain how? | (10) |
| | b) Green house effect supports survival of life on earth and it causes climate change to become a threat to life on earth. Explain how? | (10) |
| 8 | a) Explain the role of domestic sector in water pollution | (10) |

- b) What are the differences between point source and non-point source of pollution? (10)
- 9 a) Suggest disaster management plan for tidal flood in a deltaic island (10)
- b) How will you formulate disaster management plan for flood in an urban area (10)
