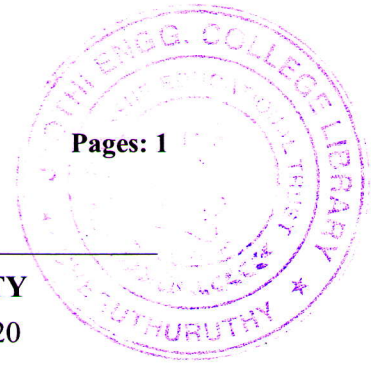


Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Eighth semester B.Tech degree examinations, September 2020

**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) Difference between hazard and disaster.   | (5)   |
| b) Explain the various reasons for the occurrence of an earthquake.                          | (10)  |
| 2 a) Explain the different types of landslides.  | (7)   |
| b) Discuss the various components of an environment.   | (8)   |
| 3 a) Explain the term global warming and green house effect.                                 | (5)   |
| b) What pre-disaster measures are taken to prevent loss of life due to an earthquake hazard? | (10)  |

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

- |   |     |
|---|-----|
| 4 a) How tsunami occurs? How tsunami waves differ from a normal wave? | (7) |
| b) Explain the various impacts of desertification.                    | (8) |
| 5 a) Explain the hazards related to Cyclone.                          | (6) |
| b) Explain the various impacts related to flood.                      | (9) |
| 6 a) How cyclones can be effectively managed?                         | (7) |
| b) How can we protect an area from soil degradation?                  | (8) |

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

- |  |      |
|--|------|
| 7 a) What are the purposes of disaster management?   | (5)  |
| b) Distinguish between indoor air pollution and outdoor air pollution with example.  | (5)  |
| c) Explain the different types of water pollutants.  | (10) |
| 8 a) Prevention is better than cure. Justify the statement in relation to water pollution.   | (5)  |
| b) What do you mean by hazard management plan?   | (5)  |
| c) Considering Kerala Flood 2018 as a case study, explain the applicable principles of disaster management to mitigate the effects of such disaster in future. | (10) |
| 9 a) Which is the apex body of disaster management in India?   | (2)  |
| b) Distinguish between Air Quality Index and Water Quality Index.  | (8)  |
| c) Explain the activities that contributes maximum to air pollution in India.  | (10) |

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