**TU/CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (AUTUMN) 2023**

**DEM/DIPEVMD 203: PLANNING FOR RISK MITIGATION**

**Time: 3 Hours Total Marks: 70**

*The figures in the right-hand margin indicate marks for the individual question.*

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**1. Write answer within 50 words for each question**

1. Mention two reasons for climate change. 2
2. Point out two important roles of NDMA. 2
3. How GIS can be useful to evaluate disaster risk? Mention two points. 2
4. Mention two different categories of loss assessment with examples. 2
5. Point out the composition NEC as per DM Act 2005. 2
6. Discuss important roles of two national counter disaster resources. 2
7. Distinguish between biotic and abiotic components of natural environment with examples. 2

Or,

Based on which basic parameters evaluation of counter

disaster resources can be done?

**2. Write answer within 100 words for each question**.

* 1. Mention five important issues of Disaster Management Act 2005 of India. 5
  2. Discuss elaborately the standard framework of State Disaster Management Plan. 5
  3. Point out the roles and responsibilities of five recognized international counter disaster resources. 5

Or,

Discuss the roles and responsibilities of five nodal ministries and organisations of India in disaster management.

* 1. Discuss elaborately about the concept and importance of risk, needs and loss assessment. 5
  2. Explain the method and importance of Environmental Impact Assessment, relevance to disaster risk mitigation. 5

**3. Write answer within 500 words for each question**.

* + 1. What factors may lead to industrial disasters? Discuss about the hazards and vulnerability factors related to a specific industrial disaster. 10

Or,

Discuss elaborately the common flood risk mitigation practices, involving structural and non-structural measures.

* + 1. Discuss elaborately the National Policy on Disaster Management 2009 of India. 10
    2. Explain possible causes of environmental degradation. Discuss four common approaches of environmental management. 11

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