**TU/CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (AUTUMN) 2023**

**DEM/DIPEVMD 104: FUNDAMENTALS OF DISESTER MANAGEMENT**

**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. Distinguish between natural science and applied science approaches in defining disaster phenomena. 2

Or,

Which two disaster models deal with causes of disaster and disaster risk mitigation?

1. Give one example each for Geophysical and Hydro-meteorological Hazards. 2
2. What are the two basic parameters of disaster risk? 2
3. Name two prominent flood basins of India. 2
4. What percentages of landmass are prone to Draught and Cyclone in India? 2

Or,

Mention two vulnerability factors related to earthquake disaster risk.

1. Point out two basic factors of capacity building. 2

vii) Distinguish between frequency and length of forewarning of hazard. 2

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

i)Classify natural hazards into different groups according to their origin and driving forces with examples. 5

ii) Why hydro-meteorological hazard induced disaster events are increasing globally? Discuss the possible reasons. 5

P.T.O.

iii)Explain briefly about structural and non-structural measures for disaster risk mitigation with appropriate examples. 5

Or,

Discuss the possible causes and visible warning signs of landslide.

(iv)Explain the method of disaster risk assessment. 5

Point out three scopes and five basic criteria of prevention of disaster.

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

1. Explain elaborately the possible causes and basic safety norms pertaining to industrial disasters.

Or,

Discuss the fundamental factors and common measures related to coping strategies. 10

1. Explain elaborately the causes and general characteristics of one geophysical and one land surface related hazards. 11
2. Discuss elaborately the basic motto, essential conditions, and importance of CBDM practices. 10

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