**TU/CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (SPRING 2023)**

**DIPEVMD/DEM 104: FUNDAMENTALS OF DISASTERS 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. Answer the following questions **within 70 words**:
2. Under what situation disaster like situation may arise in any system? **2**

or

Which disaster model explained progression of vulnerability?

1. Distinguish between natural science and holistic approaches of understanding disaster phenomena. **2**
2. What is the difference between level-1 and level-2 of disasters?

**2**

1. What percentages of landmass of India are prone to flood and draught hazards? **2**
2. Give two examples of geophysical and hydro-meteorological hazards. **2**

or

Define length of forewarning and exposure time of hazard.

1. Distinguish between the terms **Prevention** and **Mitigation** of disaster. **2**
2. What are the basic factors of capacity building? **2**
3. Answer the following questions **within 120 words**:
4. Explain the methodology of disaster risk analysis of any area or system. **5**
5. Briefly discuss the important criteria for safe **engineering** and **non-engineering** constructions. **5**
6. Which belts of India are highly prone to landslide? Mention four warning signs of landslide. **5**
7. What common measures can be adopted for coping with disasters? Discuss briefly. **5**
8. Discuss five basic aspects of mitigation of disasters. **5**

or

Why hydro-meteorological hazards induced disaster events are increasing globally? Mention five points.

**P.T.O**

1. Answer the following questions **within 500 words:**
2. Explain elaborately about the useful structural and non-structural measures for flood risk mitigation. **10**
3. List out different types of vulnerability factors with appropriate examples. **10**
4. What are the common approaches for study of disaster risk? Discuss five such approaches. **11**

or

Discuss elaborately about **importance** and **basic aspects** of Community Based Disaster Management.

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