

**VIT**

Vellore Institute of Technology

(Deemed to be University, India - 605 019, Vellore)

**SCHOOL OF CIVIL ENGINEERING****Continuous Assessment Test - I, February 2024****B.Tech. (Civil Engineering), Winter Semester 2023-24**

Course Code	: CLE1010	Duration	: 90 Minutes
Course Name	: Natural Disaster Mitigation and Management	Max. Marks	: 50
Faculty-In-Charge:	Dr. Dillip Kumar Barik	Slot	: G1
Class Nos	: 0952		

*Answer all the questions*

1. ✓ Differentiate the terms 'Vulnerability' and 'Risk'. Justify the following statement with the help of disaster management cycle: [10]  
**"We can't stop natural disaster, but we can arm ourselves with knowledge"**
2. ✓ Explain with suitable illustration the distribution of the types and origin of the Natural Disaster in both worldwide and regional level. [10]
3. ✓ Classify the natural disaster based on international level. Group the various natural disasters with appropriate types of hazards. [10]
4. ✓ What are the different types of methods used to detect the Tsunami? Discuss the working principle, advantages and disadvantages of the Dart Buoys Tsunami early warning system. [10]
5. ✓ Enlist various agencies working in India to measure and assess the Natural Disasters? Explain the flood early warning system that can be adopted in India to alert from flood. [10]

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