Reg. No:

Final Assessment Test – May 2024

VIT ®
Vellore Institute of Technology

Course: CLE1010 - Natural Disaster Mitigation and Management
Class NBR(s): 0952   Slot: G1+TG1
Time: **Three Hours**   Max. Marks: 100

➤ KEEPING MOBILE PHONE/ELECTRONIC DEVICES EVEN IN 'OFF' POSITION IS TREATED AS EXAM MALPRACTICE
➤ DON'T WRITE ANYTHING ON THE QUESTION PAPER

Answer any <u>TEN</u> Questions
(10 X 10 = 100 Marks)

1. Distinguish between vulnerability and risk. "Loss of life in developing countries are more than developed countries" Justify your answer with suitable case study.

2. State the core values of NGO. Discuss the important role of NGO in disaster management.

3. Explain with neat sketch the working principle of seismograph in a laboratory scale. Distinguish the features of the seismic waves which are released during earthquake.

4. Explain with examples the various preventives measures should be taken to minimise the landslide induced hazards.

5. Define extreme weather with suitable example. Discuss the role of extreme weather in natural disaster.

6. What is the necessity of risk assessment? How can the risk be assessed in terms of hazards identification, vulnerability assessment and impact analysis?

7. What is the difference between Community Based Disaster Management (CBDM) and Community Based Disaster Management Training (CBDMT)? Give suitable examples.

8. Discuss the different methods that are used for tropical cyclone forecasting. How does the Dvorak technique help to forecast the tropical cyclone in India?

9. Draw different parts of landslide. Classify the earth movement based on its depth of slide. What are the silent features of surface creep and rapid flow?

10. State the basic characteristics of tornadoes and hurricanes. Discuss the mechanism of tornado formation and use of Fujita Scale to classify tornado.

11. What is the role of Information Communication Technology (ICT) tools in support of disaster detection, mitigation, and response?

12. How do the social workers involve in the process of disaster management and mitigation?

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