



SCHOOL OF CIVIL ENGINEERING
CONTINUOUS ASSESSMENT TEST (CAT) – I
WINTER SEMESTER 2024-25

Reg No.: 23860710

Programme Name & Branch : B.Tech/5 Years Integrated
Course Code : BCLE212L
Course Name : Natural disaster mitigation and management
Faculty Name(s) : Dr. Priyadharshini. B and Dr. Suganya O M
Class Number(s) : VL2024250503217 and VL2024250503224
Exam Duration : 90 minutes Maximum Marks: 50

General instruction(s):

- Answer all
- Course Outcomes Statements:
CO. 1: Understand the safety precautions and how to handle the disasters
CO. 2: Develop skills in different disasters and their mitigation methods
CO. 3: Examine how quickly to respond and prepare for different disasters

Q. No	Question	Marks	Course Outcome (CO)	Bloom's Taxonomy (BL)
1.	Apply your understanding of heat waves and cold waves to compare their causes, impacts on human health and the environment, and mitigation strategies.	10	CO3	BL3
2.	Identify the types of droughts and their primary causes. Explain briefly their impacts on health and agriculture	10	CO2	BL1
3.	Define Hazard, Vulnerability, and Exposure in the context of disaster management. Explain with examples how their interaction contributes to disaster risk.	10	CO1	BL2
4.	Discuss the key features of the Disaster Management Act of 2005 and explain the roles and responsibilities of different institutions (NDMA, SDMA, DDMA) in disaster management.	10	CO2	BL3
5.	Provide examples of major water-related disasters that have occurred globally and compare their causes and impacts with those in India. Suggest mitigation strategies to reduce such impacts.	10	CO3	BL4