

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FIFTH SEMESTER B.TECH DEGREE EXAMINATION (R,S), DECEMBER 2023

COMMON TO ALL BRANCHES

(2020 SCHEME)

Course Code : 20MCN301

Course Name: Disaster Management

Max. Marks : 50

Duration: 2 Hours

PART A

(Answer all questions. Each question carries 3 marks)

1. Explain the term Disaster preparedness.
2. Enumerate the different types of hazards.
3. Discuss different types of Disaster Mitigation Measures.
4. Describe crisis counselling.
5. Explain any one institutional arrangement for disaster management in India.

PART B

(Answer one full question from each module, each question carries 7 marks)

MODULE I

6. Explain different layers of atmosphere based on temperature. (7)

OR

7. Describe the terms (i) Capacity (ii) Exposure (iii) Risk (iv) Early warning systems (v) Damage assessment. (7)

MODULE II

8. What is Hazard mapping? Highlight the major sources of data for Hazard mapping. (7)

OR

9. Define Vulnerability. Summarize different types of Vulnerability. (7)

MODULE III

10. Explain the core elements of Disaster Risk Management framework. (7)

OR

11. Explain the different disaster response actions. (7)

MODULE IV

12. Illustrate the levels of stakeholder participation in the context of disaster risk reduction. (7)

OR

13. Explain the importance of communication in disaster management. List the steps and barriers for effective disaster communication. (7)

MODULE V

14. List the common disaster types in India. Explain any two in detail. (7)

OR

15. Discuss the priorities for action according to the Sendai Framework for Disaster Risk Reduction. (7)
