

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

THIRD SEMESTER M.TECH DEGREE EXAMINATION (R), DECEMBER 2023**COMMON TO ALL BRANCHES
(2021 Scheme)****Course Code: 21GN300-B****Course Name: Disaster Management****Max. Marks: 60****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. Differentiate hazard and disaster with suitable examples.
2. Discuss the general characteristics of cyclones in India.
3. Enumerate the different stages in the disaster risk reduction process.
4. Enlist the tsunami prone areas in India.
5. Explain the reasons for community participation in disaster policy and implementation.
6. Enumerate the different techniques of risk assessment.
7. Enumerate the various non-structural mitigation measures.
8. Identify six problem areas in disaster mitigation.

PART B***(Answer one full question from each module, each question carries 6 marks)*****MODULE I**

9. Differentiate natural and man made disasters with suitable examples. (6)

OR

10. Explain the different phases of disaster management. (6)

MODULE II

11. Explain the causes and impacts of flood disaster. (6)

OR

12. Summarise the possible land slide reduction methods. (6)

MODULE III

13. Explain how community can be called safer and resilient for disaster preparedness. (6)

OR

14. Discuss the application of remote sensing data in disaster management. (6)

MODULE IV

15. India is highly vulnerable to natural disasters. Justify the statement with facts and figures. (6)

OR

16. Describe the early warning system for Tsunami in India. (6)

MODULE V

17. Explain the advantages of community based risk assesment. (6)

OR

18. Explain participatory risk assessment methods. (6)

MODULE VI

19. Summarise the guiding principles of mitigation. (6)

OR

20. Explain structural mitigation with suitable examples. (6)
