

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**THIRD SEMESTER M.Tech DEGREE EXAMINATION (S), FEBRUARY 2023
(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 Risk and Vulnerability.
2. Explain how cyclones are formed.
3. "The media has an important role in promoting effective disaster mitigation."- Discuss.
4. Explain the flood zones in India.
5. Discuss a global disaster risk situation.
6. Highlight the role of people participation in risk assessment.
7. Define disaster mitigation.
8. Discuss the strategies in disaster mitigation.

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

9. What are the different factors causing the occurrence of disaster? (6)

OR

10. Explain the significance of disaster management. (6)

MODULE II

11. Explain the causes and impacts of a major earthquake. (6)

OR

12. Explain the different types of cyclones and the mechanism of their formation. (6)

MODULE III

13. Discuss the application of remote sensing in disaster preparedness. (6)

OR

14. Discuss the components of community based disaster preparedness plan. (6)

MODULE IV

15. Discuss the areas prone to landslides in India. (6)

OR

16. Explain the response and recovery phases of disaster management in the case of an Epidemics. (6)

MODULE V

17. Explain the methods of risk assessment. (6)

OR

18. Explain the risk assessment technique in the case of air pollution situation. (6)

MODULE VI

19. Elaborate mitigation methods in the case of Cyclones in India. (6)

OR

20. Explain different mitigation methods of disaster management based on Kerala flood in 2018. (6)
