

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

THIRD SEMESTER M.TECH DEGREE EXAMINATION (Regular), DECEMBER 2022**(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.
2. Explain the causes of landslides.
3. Explain any three points about Governmental and community preparedness in the case of cyclone.
4. Discuss any three post-disaster diseases.
5. Discuss a global disaster risk situation.
6. Highlight the role of people participation in risk assessment.
7. Define disaster mitigation.
8. Discuss structural and nonstructural mitigation in flood disaster.

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

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

OR

10. Differentiate natural and manmade disaster with examples. (6)

MODULE II

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

OR

12. Explain the different types of cyclones and 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. Explain the response and recovery phases of disaster management in the case of a Pandemic. (6)

OR

16. Discuss the areas prone to Tsunamis in India. (6)

MODULE V

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

OR

18. Explain the risk assessment technique in the case of water 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 Bhuj Earthquake 2001. (6)
