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**GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (AUTONOMOUS)**

Madhurawada, Visakhapatnam

Affiliated to JNT University – K, Kakinada

B.Tech VII Semester Regular Examinations, December 2022**Disaster Management****(Open Elective)****(Common to all branches)****Date:14-12-2022****Time: 3 Hours****Max. Marks: 70**

1. Answer ONE Question from each UNIT
2. All parts of a Question must be answered at one place to get valued.
3. All questions carry equal marks.

UNIT-I

1. a) What is climate? What is the evidence of climate change, causes of climate change, and effects of climate change? 7 Marks
- b) Write about the types of floods and their effects. 7 Marks
2. a) Explain the different stages in Disaster Management Cycle. 7 Marks
- b) Differentiate manmade disasters vs natural disasters. 7 Marks

UNIT-II

3. a) Discuss about the structure of disaster management in India. 7 Marks
- b) Describe about NDMA guidelines on Flood. 7 Marks
4. a) Discuss about the management of information systems while disaster. 7 Marks
- b) Describe about the guidelines on National Policy in Disaster Management 2009. 7 Marks

UNIT-III

5. a) Discuss monitoring and evaluation plan for disaster response. 7 Marks
- b) Describe setting up of early warning systems for risk reductions. 7 Marks
6. a) Explain the role of Role of remote sensing in Disaster management. 7 Marks
- b) Summarize briefly about the emergency management programs to reduce the Risk Analysis for Individuals. 7 Marks

UNIT-IV

7. a) Explain the Measures to control Corona Virus that is spread wildly through People. 7 Marks
- b) What is vulnerability? Explain the types of vulnerability. 7 Marks
8. a) Write about the role of Community participation and responsibilities activities before and after disaster. 7 Marks
- b) Define a Risk assessment? What are the steps followed in risk assessment. 7 Marks

UNIT-V

9. a) Describe the rescue operations conducted by NDRF during floods and cyclones. 7 Marks
- b) Write about the various agencies involved in mass casualty management. 7 Marks
10. a) Explain the various equipment necessary in disaster management. 7 Marks
- b) In the case of handling medical casualty, what are the general principles of first-aid that need to be followed during earthquake. 7 Marks