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

Madhurawada, Visakhapatnam

Affiliated to JNT University – K, Kakinada

B.Tech VII Semester Regular (Re-admitted) Examinations, November 2023**Disaster Management**

(Open Elective)

(Common to all branches)

Date:22-11-2023**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) Write short notes about the manmade disasters. 7 Marks
- b) What are the causes of floods? Explain the flood control measures in brief. 7 Marks
2. a) Briefly discuss the Disaster Management Cycle with suitable examples. 7 Marks
- b) Explain the meaning of global warming. What are the consequences of global warming? 7 Marks

UNIT-II

3. a) Discuss in detail the vulnerability profile of India. 7 Marks
- b) Describe about NDMA guidelines on Earthquake. 7 Marks
4. a) Write briefly about the disaster management act, 2005. 7 Marks
- b) Discuss the role of the following State Disaster Management Authority (SDMA) of Andhra Pradesh Government. 7 Marks

UNIT-III

5. a) Explain the role of GIS applications in Hazard analysis. 7 Marks
- b) Discuss about the Short term and Long Term Prediction in Hazard Analysis. 7 Marks
6. a) Explain about the Multi- Hazard Assessment during the disaster phase. 7 Marks
- b) Write the steps followed for Estimation of potential causes of hazard analysis. 7 Marks

UNIT-IV

7. a) Explain about the frame work of Disaster Risk Reduction. 7 Marks
- b) Explain about various need and elements in Capacity Building Measures. 7 Marks
8. a) Write about the role of community participation and responsibilities after the disaster. 7 Marks
- b) Discuss about the Sendai Framework for Disaster Risk Reduction (SFDRR). 7 Marks

UNIT-V

9. a) Explain about the role of rescue team in disaster management. 7 Marks
- b) Explain the Flow of a Mass casualty management. What are the agencies occur in it? 7 Marks
10. a) What are the various tools require to increase the public awareness programs during Emergencies? 7 Marks
- b) Explain about the Training of personnel in response and recovery operations. 7 Marks