

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Seventh Semester

Mechanical Engineering

(Common to Electrical and Electronics Engineering)

GE8071 - DISASTER MANAGEMENT

(Regulations 2017)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. Write the relation between disaster and development. | 2,K1,CO1 |
| 2. Define disaster management cycle with its phases. | 2,K1,CO1 |
| 3. Construct the responsibilities of NDMA. | 2,K2,CO2 |
| 4. Develop the term culture of safety. | 2,K2,CO2 |
| 5. Illustrate how wealth is the major reason for Vulnerability. | 2,K2,CO3 |
| 6. List out the main aims of IPCC. | 2,,K1,CO3 |
| 7. Define Disaster Relief. | 2,K1,CO4 |
| 8. Define Disaster Damage Assessment. | 2,K1,CO4 |
| 9. What is a fluvial flood? | 2,K2,CO5 |
| 10. List out any two recent natural disasters. | 2,K2,CO5 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Dramatize the social, political and economic impacts of disasters. 13,K1,CO1
- OR**
- b) Describe the roles and responsibilities of the Panchayati Raj institution in disaster. 13,K1,CO1
12. a) What are the key components of disaster management? Explain them in detail. 13,K2,CO2
- OR**
- b) Explain on the public awareness and public education for disaster risk reduction. 13,K2,CO2

13. a) List some of the impact of development projects like Dams and establishment of Road ways. 13,K2,CO3

OR

b) Explain in detail about indigenous knowledge with appropriate technology and local resources. 13,K2,CO3

14. a) Explain in detail about Disaster Management Act and Policy in India. 13,K2,CO4

OR

b) Discuss the various Components of Disaster Relief. Write down in detail about Phases and responses of disaster relief. 13,K2,CO4

15. a) Explain the different types of man-made disaster with special reference to Bhopal gas leak tragedy. 13,K3,CO5

OR

b) Write the causes for the Tsunami 2004 which inflicted heavy loss to life and property along the coastal Tamilnadu. 13,K2,CO5

PART - C (1 × 15 = 15 Marks)

16. a) How space technology useful in various phases of disaster mitigation and management? Explain with suitable examples. 15,K3,CO5

OR

b) Explain the Role of GIS and Information Technology Components in Preparedness. 15,K2,CO4