

**PRAGATI ENGINEERING COLLEGE: SURAMPALEM  
(AUTONOMOUS)**  
**III B.Tech II Semester Regular/Supplementary Examinations, April - 2024**

**DISASTER MANAGEMENT**  
**(Common to EEE,CSE,CSE(AI ML), CSE(AI), CSE(DS) and IT)**

Time: 3 hours

Max. Marks: 70M

Answer ONE Question from each Unit  
All Questions Carry Equal Marks

| Q. No.            | Questions   | BTL | CO  | Marks |
|-------------------|---|-----|-----|-------|
| <b>UNIT – I</b>   |   |     |     |       |
| 1.                | a) Explain different stages of a disaster management cycle.   | K2  | CO1 | 7M    |
|                   | b) Discuss in detail, about the activities involved in disaster management of Tsunami.  | K2  | CO1 | 7M    |
| <b>OR</b>         |   |     |     |       |
| 2.                | a) Explain the importance of vulnerability analysis in disaster management, also describe in what ways can vulnerability to disasters be characterized? | K2  | CO1 | 7M    |
|                   | b) Illustrate various preparedness measures that should be taken for floods, and cyclone.   | K2  | CO1 | 7M    |
| <b>UNIT – II</b>  |   |     |     |       |
| 3.                | a) Why does the solid waste can be termed as a disaster to urban areas.   | K2  | CO2 | 7M    |
|                   | b) Explain the causes of fire hazardous and list out the measures in management of fire hazardous.  | K2  | CO2 | 7M    |
| <b>OR</b>         |   |     |     |       |
| 4.                | a) What is bio-terrorism and explain why is it termed as a disaster   | K2  | CO2 | 7M    |
|                   | b) Explain the damages of road accidents and steps in managing it.  | K2  | CO2 | 7 M   |
| <b>UNIT – III</b> |   |     |     |       |
| 5.                | a) Explain the concept of social and environmental vulnerability.   | K2  | CO3 | 7M    |
|                   | b) Explain the concept of sustainable development with an example.  | K2  | CO3 | 7M    |
| <b>OR</b>         |   |     |     |       |
| 6.                | a) What is the importance of macro-economic management.   | K2  | CO3 | 7M    |
|                   | b) What are steps in financial management of disasters.   | K2  | CO3 | 7M    |
| <b>UNIT – IV</b>  |   |     |     |       |
| 7.                | a) Explain the role of multi-media technologies in disaster management.   | K2  | CO4 | 7M    |
|                   | b) Explain any one technology that can be implemented to management of infrastructure.  | K2  | CO4 | 7M    |
| <b>OR</b>         |   |     |     |       |
| 8.                | a) List out various technological initiatives in disaster management.   | K2  | CO4 | 7M    |
|                   | b) Explain the application of geo spatial information in drought management.  | K2  | CO4 | 7M    |
| <b>UNIT – V</b>   |   |     |     |       |
| 9.                | a) Explain how the disasters can deprive the people into poverty.   | K2  | CO5 | 7M    |
|                   | b) What is community preparedness and what is its role in disaster management.  | K2  | CO5 | 7M    |
| <b>OR</b>         |   |     |     |       |
| 10.               | a) Discuss about the Red cross and Red crescent movements.  | K2  | CO5 | 7M    |
|                   | b) What is the role of corporate sector in disaster reduction.  | K2  | CO5 | 7M    |