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Total Number of Pages : 02

B.Tech

Sub_Code: REV5D004

7th Semester Reg/Back Examination: 2025-26

SUBJECT: Disaster Management

**AE, AEIE, AERO, AG, BIOTECH, C&EE, CIVIL, CSE, CSEDS, CST, ECE, EEE,
ELECTRICAL, ELECTRICAL & C.E, ELECTRONICS & C.E, ETC, MECH, METTA, MINERAL,
MINING**

Time : 3 Hour

Max Marks : 100

Q. Code : U446

Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and any two from Part-III.

The figures in the right hand margin indicate marks.

Part-I

Q1 Answer the following questions: (2 x 10)

- a) State the United Nation's definition of disaster.
- b) Define the term "Vulnerability".
- c) State the importance of response time in Disaster Management.
- d) Write two aims of hazard and Vulnerability analysis.
- e) State the focus of disaster management.
- f) Name the different Levels of Disasters.
- g) Write the role of Early Warning System in Disaster Management.
- h) State the purpose of Disaster Management Act 2005.
- i) Mention the vulnerability with the city "CUTTACK" the past capital of the state.
- j) Define the term "earthquake hazards".

Part-II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- a) Distinguish between Natural and man-made hazards with examples.
- b) Explain relationship between hazard, risk, vulnerability and capacity with example.
- c) Discuss the various effect of geographic effects of climate change across the continents.
- d) Mention the various aims of disaster management policy.
- e) Explain about the organizational structure for disaster management in India.
- f) List the possible immediate impacts of a disaster.
- g) State the importance legislative Support at the state and national levels in Disaster Management.
- h) Discuss the importance of information and communication in disaster mitigation.
- i) Explain the various principles of preparedness.
- j) Discuss about the medium and long term recovery aspects along with their objectives.

- k) Write short note on Industrial Safety Plan with regards to Coping with Disaster.
- l) Explain the Coping Strategies in context to counselling and psychological support.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

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| Q3 | Provide a detail classification of Disasters from different aspects. | (16) |
| Q4 | Explain in detail about Disaster management cycle with suitable examples and sketches. | (16) |
| Q5 | Summarize in Structural and Nonstructural Measures capacity assessment. | (16) |
| Q6 | Describe in detail about the various strategies for disaster management planning. | (16) |