

Enroll No

K.E.Society's  
**Rajarambapu Institute of Technology, Rajaramnagar**  
 (An Empowered Autonomous Institute, affiliated to SUK)  
**Unit Test -II (2025-26)**  
 T.Y. B.Tech.-Civil Engineering

Q.P. Code
UT 3119

**Course Code: OE3381      Course Name: Disaster Management (Open elective)**

Day & Date: Friday 13/09/2025

Time: 10:30 To 11:30

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
  - 2) Figures in rounded ( ) brackets within the question indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
  - 3) CO is the index number of the Course Outcome statement.
  - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
  - 5) Assume suitable data if necessary.
  - 6) Use of non-programmable calculators is allowed

- | Q.1 Answer <u>Any THREE</u> of the following questions   | Marks | BT<br>Level | COs |
|--|-------|-------------|-----|
| A) Discuss the mitigation and preparedness phases of the disaster management cycle in detail (3 marks). How do structural and non-structural measures strengthen these phases (2 marks)? Give suitable examples (2 marks). | 07    | L3          | CO1 |
| B) Discuss hazard identification and vulnerability analysis (2 marks). Explain how socio-economic and physical factors contribute to vulnerability (3 marks). Give relevant examples (2 marks).                            | 07    | L4          | CO1 |
| C) Examine the key activities carried out during the relief and response phase of disaster management (3 marks). How do coordination, communication, and local governance affect their effectiveness (4 marks)?            | 07    | L5          | CO2 |
| D) Evaluate the role of non-structural mitigation measures such as legislation, insurance, training, education, and public awareness in reducing disaster risks (5 marks). Illustrate with examples (2 marks).             | 07    | L4          | CO3 |
| <br>Q.2 Attempt the following question   |       |             |     |
| A) Explain briefly various phases of the Disaster Management Cycle.  | 04    | L2          | CO1 |

