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Total Number of Pages: 02

Course: B.Tech  
Sub\_Code: REV5D004

5<sup>th</sup> / 7<sup>th</sup> Semester Regular/Back Examination: 2024-25

SUBJECT: DISASTER MANAGEMENT

BRANCH(S): AERO, AE, AME, AEIE, BIOTECH, C&EE, CIVIL, CSEAI, CSE, CSEAIME,  
ELECTRICAL & C.E, EEE, ELECTRICAL, ECE, ELECTRONICS & C.E, ETC, ENV, MECH,  
METTA, MINING

Time: 3 Hours

Max Marks: 100

Q.Code: R284

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)**

- What are the key factors for assessment of damage during natural calamities?
- What do mean by response time?
- Name two natural disasters.
- What do you mean by a vulnerability atlas?
- Name four methods for management of refuse during natural disaster.
- What do you mean by capacity building?
- Differentiate between thunder storm and cyclone.
- Name two strategies undertaken for water supply during emergency.
- What is disaster mapping?
- Name any two rehabilitation measures undertaken during a disaster.

**Part-II**

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

- Discuss in brief about the levels of disaster.
- Give a case study of earthquake type of natural disaster in India.
- Describe the response time, frequency, and forewarning levels of different hazards.
- Briefly discuss the preparation of state and district disaster management plans.
- Explain how we plan for relief in case a disaster occurs.
- Briefly discuss about post disaster recovery and rehabilitation.
- Explain the role of mass media in disaster management.
- Write a short note on national crisis management committee.
- Prevention is better than cure. Explain in the contest of disaster management.
- What do you understand by pre-disaster risk and vulnerability reduction? Explain the methods for achieving this.
- Elaborate about disaster related infrastructure development.
- Discuss about the structural measures of capacity assessment.

**Part-III**

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

- Q3** Discuss in detail about inclement climatic conditions like thunder storm, cyclone, tsunami and flooding. **(16)**
- Q4** Write the management issue related to natural disaster. How this can be mitigated through capacity building? **(16)**
- Q5** Elaborate about the engineering, architectural, landscaping and planning solution for different types of calamities. **(16)**
- Q6** Discuss about the Counter-Disaster Resources and their utility in Disaster Management. **(16)**