

7E1714

Roll No.

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B. Tech. VII - Sem. (Main) Exam., Feb.- March - 2021

OE - I Open Elective-I Civil Engineering

7CE6 - 60.2 Disaster Management

Time: 2 Hours

[To be converted as per scheme]

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Max. Marks: 82

Min. Marks: 29

Instructions to Candidates:

Attempt all ten questions from Part A, four questions out of seven questions from Part B and two questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1. NIL

2. NIL

### PART - A

(Answer should be given up to 25 words only)

[10×2=20]

All questions are compulsory

Q1 What are the consequences of disaster on a society?

Q2 What are the major man-made causes of floods?

Q3 Who are the National Disaster Risk Reduction Stakeholders?

Q4 Is there a national disaster management policy, act or related legislation?

Q5 What is response time?

Q6 What is radiological and nuclear disaster?

- Q.7 Describe cyclones.
- Q.8 What is industrial disaster?
- Q.9 What are natural hazards?
- Q.10 What is disaster management cycle?

## **PART - B**

**(Analytical/Problem solving questions)**

**[4×8=32]**

**Attempt any four questions**

- Q.1 What are coping strategies with disaster?
- Q.2 Explain dimensions of vulnerability factors for earthquake hazards.
- Q.3 Explain disaster management cycle.
- Q.4 What are industrial safety plans, safety norms and survival kits?
- Q.5 Write about legislative support at the state and national level for disaster management.
- Q.6 Explain disaster phenomena.
- Q.7 Write about disaster resources and their utility in disaster management.

## **PART - C**

**(Descriptive/Analytical/Problem Solving/Design Questions)**

**[2×15=30]**

**Attempt any two questions**

- Q.1 Explain Disaster Management Act and Policy in India.
- Q.2 What are the different types of disaster management?
- Q.3 What are the objectives of disaster management?
- Q.4 Explain steps for formulating a disaster risk reduction plan.
- Q.5 What are vulnerabilities to flood and earthquake hazards?