

Sub Code: **CET-506**

ROLL NO.....

**SEMESTER EXAMINATION, 2022-23  
YEAR**

Programme – Ist Yr. M.Tech – INFRASTRUCTURE ENGINEERING

**Urban flooding and Disaster Management**

**Duration : 3:00 hrs**

**Max Marks: 100**

Note:-Attempt all questions. All Question carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption mad in the answer.

Q 1. Answer any four parts of the following.

- a) Differentiate: Natural Disaster & Man-made Disaster.
- b) What is Drought? Explain various types of Droughts in brief.
- c) Explain the Hazard in detail with its various type.
- d) Enlist various indications of possible flooding.
- e) Give classification of disasters with examples.
- f) Explain the Earthquake and also give various steps for prevention and protection from Earthquake.

Q 2. Answer any four parts of the following.

- a) Enlist various types of Landslides. 03 (b)
- b) What are the important causes of accidents in Mining? 04 (c)
- c) Enlist and explain various considerations with reference to disaster safe design and construction for Earthquake and Flood.
- d) Explain the cyclone with its formation process.
- e) Give the classification of various floods.  
Discuss about  
(1) Predicting Earthquak (2) Consequences of Volcano

Q 3. Answer any two parts of the following.

- a) Explain the cyclone with its formation process.
- b) What is Avalanche? Give its causes.
- c) Give classification of Lightning.
- d) Explain Forest fires and give precautions and measures for forest fires.

- e) Give consequences and effects of Epidemics.
- f) Write short note on National Disaster Management Policy.

Q 4. Answer any two parts of the following.

- a) Preventive and Protective Measures against Avalanche
- b) Explain disaster risk mapping.
- c) Explain Yokohama Strategy.

Q 5. Answer any two parts of the following.

- a) What is the role of National Executive Committee (NEC) at state level and at district level.
- b) How can we make buildings resistant to earthquakes with earthquake engineering.
- c) Explain various major disasters in INDIA in detail.