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Paper Id: **197614**

Sub Code: NEV 014

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**B. TECH.  
(SEM-VI) THEORY EXAMINATION 2017-18  
DISASTER MANAGEMENT**

**Time: 3 Hours**

**Total Marks: 100**

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

**1. Attempt *all* questions in brief. 2 x10 = 20**

- a. What are the various impacts of flood?
- b. Explain the term natural disaster.
- c. What do you mean by nuclear disaster?
- d. What do understand by erosion?
- e. Define the term population explosion?
- f. Discuss various causes of droughts.
- g. Write short note Hazardous Potential of Cyclonic Storms.
- h. Define landslides.
- i. Explain various types of disasters.
- j. What is the reason for global sedimentation problem?

**SECTION B**

**2. Attempt any *three* of the following: 10 x 3 = 10**

- a. Explain natural disasters and its mitigation strategies.
- b. List the main features of the draft National Policy on disaster management India.
- c. Write short notes on the following:  
(i) Costal disaster  
(ii) Tsunami disaster
- d. Why do earth quack occur? Suggest the management plan for mitigate the effects of earth quack. Explain the case of any earthquake that occurred in India.
- e. What are the various policies govern by Indian government for disaster management?

**SECTION C**

**3. Attempt any *one* part of the following: 10 x 1=10**

- (a) Explain the various provisions of immediate relief measures to disaster affected people.
- (b) What is meant by volcanic eruption? Explain its causes, distribution and its hazards effects.

4. Attempt any *one* part of the following: **10x 1= 10**
- (a) Write a detailed note on the Hazard Resistance Designs and Construction.
  - (b) Explain in detail the cyclonic disaster in India.
5. Attempt any *one* part of the following: **10 x 1= 10**
- (a) Explain the phases of disaster management.
  - (b) Discuss the applications of GIS in disaster risk management.
6. Attempt any *one* part of the following: **10 x 1= 10**
- (a) How will you use the application of GPS in disaster risk management? Explain in detail.
  - (b) Explain in detail about the chemical hazards and the impact on the environment by the release of toxic chemicals.
7. Attempt any *one* part of the following: **10 x 1= 10**
- (a) Describe the various aspects of rehabilitation.
  - (b) Discuss the causes and effects of population explosion.