

B.TECH**(SEM VII) THEORY EXAMINATION 2022-23****DISASTER PREPAREDNESS AND MANAGEMENT****Time: 3 Hours****Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****2 x 10 = 20**

- (a) What is disaster management?
- (b) What are the hazardous effects of volcanoes?
- (c) Write a short notes on mitigation.
- (d) Define coastal erosion.
- (e) Explain how disaster causes climate change.
- (f) How to prevent a Hazard from changing into a disaster.
- (g) What monitoring systems are used for tracing the path of cyclones?
- (h) What are the causes of soil erosion?
- (i) Write short notes on DRR.
- (j) What are the factors which affect the vulnerability?

SECTION B**2. Attempt any three of the following:****10 x3 = 30**

- (a) Explain in detail the various stages in the disaster management
- (b) Explain briefly the concept of environmental stress and disaster.
- (c) What is meant by post disaster stages? Explain clearly.
- (d) Define landslides. How land slide occurs? Describe the measure taken during a land slide disaster.
- (e) Discuss the mitigation strategies with reference to specific disaster.

SECTION C**3. Attempt any one part of the following:****10 x1 = 10**

- (a) Define earthquake. What are the pre disaster measure taken to manage earthquake disaster?
- (b) Write the short notes of the following:
 - i) Disaster impacts on social
 - ii) Disaster impacts on health
 - iii) National disaster trends

4. Attempt any one part of the following:**10 x1 = 10**

- (a) Explain briefly some man made disasters.
- (b) Explain in detail the activities of National Disaster Management Authority.

5. Attempt any *one* part of the following: **10 x1 = 10**

- (a) What is disaster preparedness plan and its various aspects?
- (b) Explain in detail the various types of environmental disaster.

6. Attempt any *one* part of the following: **10 x1 = 10**

- (a) What is vulnerability? What are the factors which affect the vulnerability?
- (b) Write in detail the role of various agencies in disaster management.

7. Attempt any *one* part of the following: **10 x1 = 10**

- (a) Explain in detail how reconstruction and development affect the environment.
- (b) Write in detail of the following:
 - i) Policies for disaster risk reduction
 - ii) DRR programmes in India

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