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B.TECH
(SEM VII) THEORY EXAMINATION 2021-22
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. Define vulnerability.
- b. How do you define disaster?
- c. What are impacts of deforestation?
- d. Write ways in which drought differs from other natural disasters.
- e. Classify the various impacts of floods.
- f. List out the major impacts by disaster.
- g. Enlist Roles and responsibilities of government.
- h. Mention major air pollutants and their health effects.
- i. Write common tasks in disaster response.
- j. What do you understand by disaster preparedness and disaster prevention?

SECTION B

2. Attempt any three of the following:**10 x 3 = 30**

- a. Explain natural disasters and its mitigation strategies
- b. Describe how the function of mitigation differs from the other emergency management disciplines.
- c. Describe the various impacts of disasters in the development of a nation.
- d. Define Pollutions and enlist health consequences of pollutions.
- e. What are the factors affecting vulnerability?

SECTION C

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

- a. Define disaster, hazard, vulnerability and risk.
- b. Explain different phases of disasters.

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

- a. Describe the relationship between disaster and development.
- b. Describe factors that increase the risks of communicable diseases during disasters.

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

- a. Discuss different risk reduction measures.
- b. Write common tasks in disaster response.

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

- a. Describe the role of NGOs and other stakeholders in Disaster management.
- b. Elaborate DRR (Disaster Risk Reduction) and Explain disaster management cycle.

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

- a. Explain the reconstruction and development methods.
- b. Discuss the causes and effects of population explosion.