

May 2024

M.Tech. - II SEMESTER

Disaster Management (AUD-02A)

Time: 3 Hours

Max. Marks:75

- Instructions** 1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.
2. Answer any four questions from Part -B in detail.
3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A

- Q1 (a) Define epidemic and pandemic. (1.5)
- (b) What is an avalanche? (1.5)
- (c) Why the study of disaster management is important? (1.5)
- (d) What is Structural Mitigation? (1.5)
- (e) What are different Emerging Trends in Mitigation? (1.5)
- (f) Difference Between Hazard and Disaster. (1.5)
- (g) What is the significance of disaster? (1.5)
- (h) Define Earthquake and Cyclones. (1.5)
- (i) What do you understand by Tsunamis? (1.5)
- (j) Which areas are prone to Floods in India? (1.5)

PART -B

- Q2 (a) Explain various natural disasters. (10)
- (b) Differentiate between Natural and Manmade Disasters. (5)
- Q3 (a) Define Earthquakes, Volcanisms, Cyclones, Tsunamis. (10)
- (b) What do you understand by the destruction of ecosystem? (5)
- Q4 What is disaster preparedness? Explain the role of government and community in disaster preparedness. (15)
- Q5 (a) Write a short note on Post-Disaster Diseases And Epidemics. (10)
- (b) How to Study Seismic Zones? (5)
- Q6 (a) Explain the various Techniques of Risk Assessment. (10)
- (b) What are Strategies for Survival? (5)
- Q7 What is Disaster Mitigation? Explain Concept and Strategies of Disaster Mitigation. (15)