


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: Disaster Management Program: B.Tech. Civil Engineering Course Code: HSFS3031		Semester: VI Time: 03 hrs. Max. Marks: 100	
Instructions: All questions are compulsory to attempt.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	What is emergency operational plan and enlist its critical components.	04	CO1
Q 2.	What is disaster mitigation and state the various types of mitigation.	04	CO2
Q 3.	What do you understand by risk and state the components of risk.	04	CO1
Q 4.	Enlist the various mental health impact of disaster.	04	CO3
Q 5.	State the elements considered to estimate vulnerability in the field.	04	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6.	Provide a detailed explanation of the comprehensive effects of disasters on the public's human health.	10	CO3
Q 7.	Discuss the various approaches/strategies of disaster mitigation adopted for disaster risk reduction. <p style="text-align: center;">OR</p> Explain the key steps for implementing disaster risk reduction strategy.	10	CO2
Q 8.	Analyze the disaster preparedness phase of disaster management along with its relevance, critical points, and suitable examples.	10	CO4
Q 9.	Explain the relevance of the term “resilience” in risk assessment and reduction. Describe the critical dimensions of resilience along with their key points.	10	CO1
SECTION-C (2Qx20M=40 Marks)			
Q 10.	Provide a detailed analysis of the organizational framework of the National Disaster Management Structure in India, delineating the hierarchical involvement and the key responsibilities at each level. <p style="text-align: center;">OR</p>	20	CO4

	Elaborate the structure of the National Disaster Management Authority (NDMA) in India and the responsibilities/duties at each level.		
Q 11.	Analyze the essential dimensions of vulnerability that are crucial for its assessment. Also, elaborate on the distinct components within these dimensions and propose measures for evaluating each component.	20	CO2