

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2021

Course: Disaster Preparedness and Planning
Program: B.Tech (Civil Engineering)
Course Code: CIVL 4062

Semester: VII
Duration: 3 hrs.
Max. Marks: 100

Instructions: All questions are compulsory to attempt.

SECTION A (20 Marks)

S. No.	Question	Marks	CO
Q 1.	Enlist the various critical tools of Disaster Management.	4	CO1
Q 2.	State the classification of natural and manmade disaster along with suitable examples.	4	CO1
Q 3.	What do you understand by Disaster Risk Reduction (DRR)? Also, enlist the various components of DRR.	4	CO2
Q 4.	Define the terms: Hazard and Vulnerability.	4	CO1
Q 5.	State the relevance of Disaster Management Act, 2005.	4	CO4

SECTION B (40 Marks)

Q 6.	Explain in detail the impact of disaster on public human health.	10	CO3
Q 7.	Explain the disaster preparedness phase of disaster management along with its relevance and critical points.	10	CO4
Q 8.	Analyze the term “resilience”. State the four dimensions of resilience along with their key points.	10	CO2
Q 9.	State the various approaches/strategies of disaster mitigation adopted for Disaster Risk Reduction.	10	CO2

SECTION-C (40 Marks)

Q10.	Discuss the institutional framework of National Disaster Management Authority (NDMA) in India along with each level responsibilities/duties. OR Discuss the institutional framework of National Disaster Management Structure in India along with each level involvement and key points.	20	CO4
Q11.	Explain the various dimensions of vulnerability critical for its assessment. Also, explain the different components of those dimensions and measures to assess the components.	20	CO1