

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Programme Name: B. Tech. (Civil +ID)

Semester : V

Course Name: Disaster Management

Time : 03 hrs

Course Code: CEEG 453

Max. Marks : 100

Nos. of page(s) : 02

Instructions: Be brief and relevant. Use flow-charts, diagrams and tables, wherever necessary.

SECTION A

S. No.		Marks	CO
Q 1	Write a brief note on the Disaster Risk parameters in India.	05	CO1
Q 2	List down and define five key attributes of a disaster.	05	CO2
Q 3	Explain the causes why climate change has become such an issue of global concern.	05	CO3
Q 4	List down key provisions of Disaster Management Act of 2005.	05	CO4

SECTION B

Q 5	Explain three worldwide trends on the natural disaster as per the global natural disaster database. Also, draw rough sketch of these disasters trends.	10	CO1
Q 6	Define various levels of disaster as per the national guidelines specified by the Govt. of India. Draw an institutional framework for understanding various roles and responsibilities of the government set-up for managing disasters.	10	CO1
Q 7	Explain in detail the different phases of Disaster Management cycle by drawing sketches.	10	CO4
Q 8	<p>What is the importance of preparation of community-hazard profile in India? What tools can be used to undertake this as a part of preparedness against forthcoming disasters.</p> <p style="text-align: center;"><u>OR</u></p> <p>What are the key measures of Relief mechanism? On what basis, the efficiency of these measures can be improved.</p>	10	CO4

SECTION-C			
Q 9	With the help of an example of Bhopal Gas Tragedy, write a detailed note on impact of Industrial hazards and key safety measures undertaken to avoid such impacts.	20	CO3
Q 10	<p>What is the relation between risk, hazard and vulnerability? With the help of framework & figures, describe in detail the four models of disaster risk mitigation?</p> <p style="text-align: center;"><u>OR</u></p> <p>Explain the importance of Hazard Mapping and Forecasting in modern world to deal effectively with the disasters. How the Hazard is being evaluated using site and Event parameters.</p>	20	CO2