


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
Course: Global Disaster Scenario and Types of Natural Disaster		Semester: III	
Program: M.Tech. HSE		Time : 03 hrs.	
Course Code: HSFS7021		Max. Marks: 100	
<b>Instructions: Please attempt all questions from section A, section B and Section C</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Statement of question: Please attempt all questions. Each question carry equal marks.		CO1
Q.1	Write full form of the following abbreviations:  i) DDMA -----  ii) NCDM -----  iii) NDMA -----  iv) NDRF -----	4	CO1
Q.2.	Define the following terms :  a) Flash Floods (2 Marks)  b) Tropical Cyclone (2 Marks)	4	CO1
Q.3.	Fill in the blanks: i) ----- is the process of monitoring the situation in communities or areas known to be vulnerable to slow onset hazards, and passing the knowledge of the pending hazard to people in harm's way.  ii) UNDRR was established in ----- as a dedicated secretariat to facilitate the implementation of the International Strategy for Disaster Reduction (ISDR).  iii) When the tropical storm intensifies, the air rises in vigorous thunderstorms and tends to spread out ----- at the troposphere level.  iv) Extra tropical cyclones occur in temperate zones and high latitude regions, though they are known to originate in the -----.	4	CO1

Q.4	Identify all steps of disaster management cycle.	4	CO2
Q.5.	<p><b>Write True and False :</b></p> <p>i) Crown fire is the fire in which flames reach into trees and then treetops, the smaller branches and fine needles easily ignite to form a crown fire. (True / False)</p> <p>ii) Shallow focus earthquakes are more common and are less damaging as compare to deep focus earthquake. (True / False)</p> <p>iii) Recovery is used to describe the activities that encompass the three overlapping phases of emergency relief, rehabilitation and reconstruction. (T/F)</p> <p>iv) The Sendai Framework was the first international agreement adopted within the context of the post- 2015 development agenda. (T/F)</p>	4	CO1
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q	Statement of question: Please attempt all questions. Each question carry equal marks.		
Q.6	Describe various structural mitigation measures which can be used to control floods in different part of the world.	CO4	10
Q.7	Evaluate the various mitigation strategies which you will implement to control and prevent landslide in Himalayan region of India.	CO3	10
Q.8	Classify the various types of forest fire in India. Explain various mitigation measures which we can use to control and prevent forest fire in India.	CO2	10
Q.9	Explain various causes which are responsible for loss of biodiversity in different part of the world.	CO3	10
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q	Statement of question: Please attempt all questions. Each question carry equal marks.		
Q.10	Describe the various principles of “Disaster Management” which you shall implement for controlling and preventing disasters in your organization.	CO3	20
Q.11	Describe institutional frame work of India for disaster preparedness and mitigation which are helpful in managing and controlling natural and as well as man-made disaster.	CO4	20