

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, December 2020

Program: M.Tech (DM)
Subject (Course): Shelter & Settlement in Disaster
Course Code : HSFS8011

Semester – III
Max. Marks : 100
Duration : 3 Hrs

SECTION A

Each Question carries 5 Marks

S. No.	Question	CO
Q 1	Differentiate following a. Transitional & Progressive shelter b. Strategic planning and Settlement Planning	CO1
Q2	Explain fortification of food in nutrition emergency	CO1
Q3	What do you understand by superadobe system and highlight its advantages.	CO1
Q4	You have been appointed as environmental engineer for a disaster affected area and given responsibility to construct temporary Shelter, what will be your priority for the selection of material for shelter construction.	CO3
Q5	What are the steps you will consider to provide ethnical security to a disaster-affected area.	CO3
Q6	How will you ensure time saving benefits while constructing an emergency shelter?	CO2

SECTION B

Each Question carries 10 Marks

Q 7	Early warnings system is defined as set of capacities needed to generate and disseminate timely and meaningful warning information of the possible extreme events or disasters that threatens people's life. Explain the mechanism of early warning system.	CO3
Q 8	What is the relationship between disaster waste management with disaster management cycle? Explain with diagram	CO4
Q 9	What is a design blueprint for emergency shelter and how will you provide a Design Blueprint to make a shelter for 10 refugee in a disaster affected area.	CO4

Q 10	<p>Explain following with their application.</p> <ol style="list-style-type: none"> i. Wind rose ii. Eutrophication 	CO2
Q 11	<p>You have been appointed as environmental engineer for a disaster affected area and given responsibility to establish one Watershed project , what are the major criteria you will consider for the Selection of Watershed Project in given area.</p>	CO4
<p>Section C</p> <p>Each Question carries 20 Marks.</p>		
Q12	<p>You have been given a responsibility to plan strategic objective of a disaster-effected area. Once you reach the site you find it comes in earthquake prone area as well as mostly the temperature of the area remain below freezing point of water, In given situation you are suppose to propose a shelter standard guideline with minimum covering space and many other important parameters, write down your proposed shelter standard which you will suggest to follow at the given site.</p> <p style="text-align: center;">OR</p> <p>Can you think of any disaster involving business and industry in your country, which highlight the damage done to the environment and infrastructure? Identify and provide a summary of an disaster in your country. Include information on: – how you think these events influenced public opinion and attitudes towards disaster – what, if any, response was made by the government of your country.</p>	CO5