



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

Course: Global Disaster Scenario
Program: B. Tech. FSE
Code: HSFS 4014

Semester : VII
Duration : 03 hrs. Course
Max. Marks: 100

SECTION A
(Scan and upload)

(5Qx 4M = 20 Marks)

		Marks	COs
Q 1	Illustrate with the help of a diagram the disaster management cycle.	4	CO1
Q 2	Differentiate between fan shaped and fern shaped catchment.	4	CO2
Q 3	Categorize the following based on the disaster group designed by CRED a) Landslide b) Storm c) Lahar d) Global warming	4	CO1
Q 4	Expand OCHA, UNDAC and mention their key roles?	4	CO1
Q 5	“An economically weaker nation is more vulnerable to natural hazards than an economically stronger one.” Justify your answer keeping the principles of DRR in mind.	4	CO3

SECTION B
(Scan and upload)

(4Qx10M = 40 Marks)

Q 6	What are the benefits of natural floods? Explain some structural mitigation measures for floods.	10	CO1
Q 7	A road on the national highway has been damaged due to torrential rains, this has also caused flooding and breakage of an underground water pipeline. Prepare an incidence response strategy using the principles of the ICS, also mention the roles and responsibilities of all the members of the ICS.	10	CO3
Q 8	Write your observations about India’s disaster response strategy to the COVID 19 pandemic? Write short notes on the challenges faced and response strategies adopted by the nation.	10	CO3
Q 9	Explain with the help of a flowchart the national disaster management structure in India. OR Explain the structure and roles of the NDMA and SDMA.	10	CO1

SECTION-C**(Scan and upload)****(2Qx 20M= 40 Marks)**

Q 10	Draw the adapted version of the Incidence Response System. Explain how it came into existence in India. Give detailed notes about the roles and responsibilities of all the staff under the IRS.	20	CO2
Q 11	Using the key principles of disaster management and the disaster management cycle suggest a disaster management plan in the event of a massive earthquake in Bidholi blocking all access from UPES for 2 weeks. OR If you were entrusted with the responsibility of preparing a disaster management plan for your town which is susceptible to floods, how would you do it? Elucidate it using the key principles of disaster management, the disaster management cycle and the lessons learnt from previous disasters.	20	CO4