


Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, December 2024</b>			
<b>Course: Disaster Management</b> <b>Program: MSc-N-D-1</b> <b>Course Code: HSFS7021</b>		<b>Semester : 1</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions:</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.	Attempt all questions	<b>Marks</b>	<b>CO</b>
Q 1	Describe classification of Natural disasters.	<b>4</b>	<b>CO1</b>
Q 2	Write short note on landslides	<b>4</b>	<b>CO2</b>
Q 3	Define role & responsibility of Information & Media officer in disaster	<b>4</b>	<b>CO1</b>
Q 4	Explain Sendai framework of Disaster Management	<b>4</b>	<b>CO2</b>
Q5	Explain future strategies of flood management	<b>4</b>	<b>CO1</b>
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Explain Storm hydrograph & factors affecting it	<b>10</b>	<b>CO2</b>
Q7	Outline causes & effects of forest fire. What are various mitigation measures required to be taken.	<b>10</b>	<b>CO2</b>
Q8	Analyze ICS in detail. Why ICS is essential	<b>10</b>	<b>CO3</b>
Q9	Illustrate notes on earthquakes. What are causes & how best it can be managed. <p style="text-align: center;">OR</p> Appraise the reasons for the disaster in Joshi math. How it could have been avoided..	<b>10</b>	<b>CO3</b>
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q10	Evaluate oil spill control techniques	<b>20</b>	<b>CO4</b>
Q11	Evaluate structural & non-structural flood management measures with examples. <p style="text-align: center;">OR</p>	<b>20</b>	<b>CO4</b>

	Evaluate mechanism, effect and management of cyclone with examples.		
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