

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Disaster Risk Mitigation & Management

Semester: VII

Programme: B. Plan

Course Code: BPLC 411

Time: 03 hrs.

Max. Marks: 100

Instructions:

SECTION A

S. No.	Question	Marks	CO
Q 1	Explain the following: a) Hazard b) Vulnerability c) Risk d) Resilience	4	
Q 2	What do you mean by Risk Reduction Measures?	4	
Q 3	What is SENDAI framework? Discuss the call given during the SENDAI conference.	4	
Q 4	List the components of disaster risk reduction. Explain any two.	4	
Q 5	How the Resilience can be achieved in urban areas? Discuss.	4	

SECTION B

Q 6	Distinguish between Capacity and Resilience.	10	
Q 7	Define Flood. List out some of the causes and adverse effects of floods with diagrams.		
Q 8	What do you understand by Preparedness and Awareness?	10	
Q 9	Give four examples and explain the role of GIS for Disaster Management. Or Explain the use of remote sensing and GIS technology for agriculture risk assessment.	10	

SECTION-C

Q 10	Challenge the given statement with your own arguments: Urban Planning can be done without considering the disasters? Illustrate with examples.	20	
Q 11	Discuss the impact of earthquake on buildings and suggest important steps for earthquake-Resistant house construction.	20	

	<p>Or</p> <p>Illustrate with example how disaster management can be used for better planning. (Hint: Example from Germany or Netherlands)</p>		
--	---	--	--