D   **H1051**   **Pages: 2**

Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019
Course Code: CE488
Course Name: DISASTER MANAGEMENT
Max. Marks: 100   Duration: 3 Hours

PART A
Answer any two full questions, each carries 15 marks.
Marks

1	a)	Explain differences between hazards and disasters.	(8)
	b)	Define the terms risk, vulnerability and crisis.	(7)
2	a)	Explain the concept of green house effect.	(7.5)
	b)	What is Global Warming and what are the main causes of global warming.	(7.5)
3	a)	Write a short note on the impact of earthquakes.	(7.5)
	b)	Explain the term vulnerability with respect to earthquakes	(7.5)

PART B
Answer any two full questions, each carries 15 marks.

4	a)	How do tsunamis originate?	(4)
	b)	Why tsunamis become disastrous when they approach coastal regions?	(6)
	c)	How will you assess the vulnerability of a coast to the attack of tsunamis?	(5)
5	a)	List any five probable impacts of cyclones	(5)
	b)	Explain the origin of cyclones	(4)
	c)	Explain any one application of technology in cyclone disaster management	(6)
6	a)	How do soils originate?	(4)
	b)	What is soil degradation?:	(5)
	c)	Explain the impacts of addition of e-waste to soils	(6)

PART C
Answer any two full questions, each carries 20 marks.

7	a)	What is water pollution. Briefly explain.	(2)
	b)	List out the major causes of water pollution and describe	(8)
	c)	Explain 'point sources' and 'non-point sources' of pollution with an example.	(6)
	d)	List out the major water pollutants.	(4)
8	a)	What is air pollution.	(2)

	b)	Discuss the major causes of air pollution.	(6)
	c)	What are the classification of air pollutants? Explain with example.	(6)
	d)	Describe the impacts of air pollution.	(6)
9	a)	Write a short note on flood forecasting	(5)
	b)	What are the mitigation measures for flood disaster?	(8)
	c)	What are the impacts of a cyclone?	(7)

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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION(S), OCTOBER 2019
Course Code: CE488
Course Name: DISASTER MANAGEMENT

Max. Marks: 100   Duration: 3 Hours

PART A
Answer any two full questions, each carries 15 marks.   Marks

1		Define the following terms:	
	(a)	Disaster	5
	(b)	Vulnerability	5
	(c)	Resilience	5
2	(a)	What is Green house effect?	5
	(b)	What are the causes behind Green house effect?	10
3	(a)	Explain the various hazardous effects of earthquakes.	10
	(b)	Write short notes on Landslides.	5

PART B
Answer any two full questions, each carries 15 marks.

4	(a)	What are the causes of Tsunamis	6
	(b)	Give adverse effects of tsunamis.	5
	(c)	Discuss about the tsunami mitigation measures.	4
5	(a)	What are the pre disaster measures taken to manage coastal disaster	10
	(b)	What are the reasons for Kerala flood?	5
6	(a)	Explain different causes of desertification.	10
	(b)	Explain how to manage the impact of desertification	5

PART C
Answer any two full questions, each carries 20 marks.

7	a)	Differentiate mitigation and preparedness.	(4)
	b)	How to prevent a hazard from changing into a disaster? Explain with an example.	(6)
	c)	Enumerate the possible risk reduction measures in Flooding.	(10)
8	a)	Differentiate primary and secondary air pollutant with example.	(3)
	b)	Explain natural and man-made sources of air pollution.	(5)
	c)	Discuss the harmful effects of water pollution on human health, animal, plant, ecosystem and economy.	(12)
9	a)	Define water pollution.	(3)
	b)	Industries make a major contribution towards causing air pollution. Justify the statement.	(5)
	c)	Explain the impact of water pollution with a suitable case study.	(12)

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