

Enrollment No.....



Faculty of Engineering  
End Sem Examination Dec-2023

OE00064 Disaster Management

Programme: B.Tech.

Branch/Specialisation: CE

**Duration: 3 Hrs.****Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. The first step of risk analysis is- **1**  
 (a) Hazard classification (b) Hazard attribution  
 (c) Hazard identification (d) Hazard quantification
- ii. Tsunami results from- **1**  
 (a) An Earthquake (b) A volcanic eruption  
 (c) A tropical disturbance (d) A tropical depression
- iii. The level of risk of a disaster depends on- **1**  
 (a) Nature of the hazard  
 (b) Vulnerability of the elements which are affected  
 (c) Economic value of the elements which are affected  
 (d) All of these
- iv. Which of the following is not a component of disaster management cycle? **1**  
 (a) Preparedness (b) Response  
 (c) Construction (d) Recovery
- v. The combination of all the strengths, attributes and resources available within an organization, community or society to manage and reduce disaster risks is called- **1**  
 (a) Mitigation (b) Capacity (c) Vulnerability (d) Risk
- vi. Which of the following is not the step of capacity development process? **1**  
 (a) Assessment (b) Application  
 (c) Learning (d) Reading
- vii. Understanding and providing emotional support to the affected community is an essential element of- **1**  
 (a) Human relations skills (b) Managerial skills  
 (c) Leadership skills (d) Conceptual skills

- viii. Following is not the sign of disaster related stress- **1**  
 (a) Poor work performance  
 (b) Headaches/stomach problems  
 (c) Difficulty communicating thoughts  
 (d) None of these
- ix. The first phase of disaster management cycle is- **1**  
 (a) Preparedness (b) Mitigation  
 (c) Response (d) Recovery
- x. In India National Institute of Disaster Management is located at- **1**  
 (a) Manipur (b) Punjab  
 (c) Hyderabad (d) New Delhi
- Q.2 i. What are the aims of disaster management? **3**  
 ii. Explain the various dimensions of disasters. How they affect the various stakeholders? **7**
- OR iii. Explain the steps of a hazard and vulnerability analysis. **7**
- Q.3 i. Explain the term risk, mitigation and preparedness. **3**  
 ii. Explain the importance of team building in disaster management. **7**
- OR iii. Explain risk control measures. **7**
- Q.4 i. Define "Vulnerability and Capacity Assessment". **3**  
 ii. Define "Non-structural Measures" of capacity assessment. Explain any five non-structural measures. **7**
- OR iii. Explain the utility of government's counter disaster resources. **7**
- Q.5 i. Explain the term "Coping with Disaster". **3**  
 ii. What are the signs of disaster related stress? How can you ease disaster caused stress? **7**
- OR iii. Explain industrial safety plan. **7**
- Q.6 i. Explain the term "Risk Reduction". **3**  
 ii. Explain the institutional framework in India for disaster management. **7**
- OR iii. Explain the broad features of the draft of national policy on disaster management in India. **7**

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## Marking Scheme Disaster Management (OE00064)

iii. Any 7 feature

(1 mark \*7)

**7**

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Q.1	i)	c. Hazard identification		<b>1</b>
	ii)	a. an Earth quake		<b>1</b>
	iii)	d . All of the above		<b>1</b>
	iv)	c. Construction		<b>1</b>
	v)	b. capacity		<b>1</b>
	vi)	d. reading		<b>1</b>
	vii)	d . None of the above		<b>1</b>
	viii)	a. human relations skills		<b>1</b>
	ix)	b. mitigation		<b>1</b>
	x)	d. New Delhi		<b>1</b>
Q.2	i.	Correct ans.		<b>3</b>
	ii.	Dimension of disaster	3 marks	<b>7</b>
		Effect on stakeholders	4 marks	
OR	iii.	Correct Ans.		<b>7</b>
Q.3	i.	Three term	(1 mark*3)	<b>3</b>
	ii.	Correct explanation	(As per explanation)	<b>7</b>
OR	iii.	Correct Ans.	7 marks	<b>7</b>
Q.4	i.	Correct Definition	3 marks	<b>3</b>
	ii.	Definition	2 marks	<b>7</b>
		Non structural measures	(1 mark*5)	
OR	iii.	Utility of any 7 resources	(1 mark*7)	<b>7</b>
Q.5	i.	Correct ans	3 marks	<b>3</b>
	ii.	Signs of disaster related stress	3 marks	<b>7</b>
		Measures to ease disaster caused stress	4 marks	
OR	iii.	Correct explanation	7 marks	<b>7</b>
Q.6	i.	Correct explanation	3 marks	<b>3</b>
	ii.	Correct explanation	7 marks	<b>7</b>