

Enrollment No.....



**Faculty of Engineering**  
**End Sem (Odd) Examination Dec-2022**  
**OE00064 Disaster Management**

Programme: B.Tech.

Branch: All

**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.

- Q.1 i. Who among the following is the most affected during the famine? **1**  
 (a) Bank workers (b) Doctors (c) Trader (d) Workers
- ii. Which one of the following is mainly considered manmade disaster? **1**  
 (a) Fire (b) Landslide (c) Drought (d) Erosion
- iii. Who among the following is the first to response when a disaster strikes? **1**  
 (a) N.G.O (b) Local administration  
 (c) Affected community members (d) Local Community members
- iv. Disaster can be broadly termed as \_\_\_\_\_ types. **1**  
 (a) 2 (b) 3 (c) 4 (d) 5
- v. To measure flood variability, \_\_\_\_\_ is used widely. **1**  
 (a) FFMI (b) FI (c) FMI (d) FFI
- vi. Disaster management deals with situation that occur- **1**  
 (a) Before the disaster (b) After the disaster  
 (c) During the disaster (d) All of these
- vii. How many elements of disaster management are there? **1**  
 (a) 8 (b) 7 (c) 4 (d) 6
- viii. Which of the below is an example of slow-onset disaster? **1**  
 (a) Earthquake (b) Tsunami (c) Cyclone (d) Draught
- ix. Tsunami detectors are placed in sea at \_\_\_\_\_ kms from shore. **1**  
 (a) 25 (b) 100 (c) 50 (d) 85
- x. How many phases of disaster response are there? **1**  
 (a) 5 (b) 4 (c) 3 (d) 2
- Q.2 i. Define biological warfare. **2**  
 ii. Explain the classification of environmental hazards. **8**  
 OR iii. Explain various types of environmental disasters. **8**

P.T.O.

- Q.3 i. Define environmental disaster. **2**  
 ii. Discuss in detail concept of risk and crisis management. **8**  
 OR iii. Define vulnerability and disaster risk reduction. **8**
- Q.4 i. Define sustainable development. **2**  
 ii. Describe mitigation strategies. **8**  
 iii. Describe disaster preparedness measures. List down the responsibilities of National Disaster Management Authorities (NDMA). **8**
- Q.5 i. What do you mean by industrial disaster. **2**  
 ii. Write a short note on seismic micro-zonation. **8**  
 OR iii. Enumerate on our national guidelines and plans on disaster management. **8**
- Q.6 i. Explain characteristics of manmade disaster **2**  
 ii. What is the significance of Land use planning and Development regulations in Disaster management **8**  
 OR iii. What do you mean by Structural and Non-structural Mitigation for Disaster Management **8**

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**Marking Scheme**  
**OE00064 Disaster Management**

Q.1	i	d) Workers	1 Mark	<b>1</b>
	ii	a) Fire	1 Mark	<b>1</b>
	iii	b) Local administration	1 Mark	<b>1</b>
	iv	a) 2	1 Mark	<b>1</b>
	v	a) FFMI	1 Mark	<b>1</b>
	vi	d) All of these	1 Mark	<b>1</b>
	vii	d) 6	1 Mark	<b>1</b>
	viii	d) Draught	1 Mark	<b>1</b>
	ix	c) 50	1 Mark	<b>1</b>
	x	a) 5	1 Mark	<b>1</b>
Q.2	i	Define Biological warfare	2 Marks	<b>2</b>
	ii	Classification of environmental hazards	4 Marks each (4 Marks*2)	<b>8</b>
OR	iii	Various types of environmental disasters	2 Marks each (2 Marks*4)	<b>8</b>
Q.3	i	Define Environmental disaster	2 Marks	<b>2</b>
	ii	Discuss in detail concept of risk and crisis management	4 Marks 4 Marks	<b>8</b>
OR	iii	Define vulnerability and disaster risk reduction	4 Marks 4 Marks	<b>8</b>
Q.4	i	Define sustainable development	2 Marks	<b>2</b>
	ii	Describe mitigation strategies	1 Mark each (1 Mark*8)	<b>8</b>
	iii	Preparedness measures Responsibilities	4 Marks 4 Marks	<b>8</b>
Q.5	i	Industrial disaster	2 Marks	<b>2</b>
	ii	Short note on seismic micro-zonation	8 Marks	<b>8</b>
OR	iii	National guidelines and plans on disaster management	2 Marks each (2 Marks*4)	<b>8</b>

Q.6	i	Characteristics of manmade disaster	2 Marks	<b>2</b>
	ii	What is the significance of Land use planning Development regulations in Disaster management	4 Marks 4 Marks	<b>8</b>
or	iii	What do you mean by Structural and Non-structural Mitigation for Disaster Management	4 Marks 4 Marks	<b>8</b>

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