

Enrollment No.....



Faculty of Engineering  
End Sem Examination Dec 2024  
OE00064 Disaster Management

Programme: B.Tech.

Branch/Specialisation: 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. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	BL	PO	CO	PSO
Q.1 i. Man-made disasters include: (a) Wars (b) Terrorism (c) Industrial hazard (d) All of these	1	1	1	1	
ii. A stream with too much bed load will usually have what type of channel pattern? (a) Straight (b) Meandering (c) Braided (d) Dendritic	1	1	1	1	
iii. An example of natural disaster is- (a) Tsunami (b) Flood (c) Storm (d) All of these	1	1	1	1	
iv. Equator is a region of _____ pressure while poles are regions of _____ pressure. (a) High, low (b) Low, high (c) Low, low (d) High, high	1	1	1	1	
v. High vulnerability and high hazard are associated with- (a) Low disaster risk (b) Medium disaster risk (c) High disaster risk (d) None of these	1	2	3	6	
vi. Movement of heavy vehicles on the unstable sloppy region creates- (a) Earth quake (b) Flood (c) Volcano (d) Landslide	1	2	2	6	

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vii.	Pandemic disease is defined as:	<b>1</b>	1	1	1
	(a) Outbreak of a disease in international scale				
	(b) Outbreak of a disease beyond the area of a disease				
	(c) Congestion in urban areas				
	(d) All of these				
viii.	The slope forming materials composed of-	<b>1</b>	1	1	1
	(a) Rocks (b) Soils				
	(c) Artificial fills (d) All of these				
ix.	There has been little rain for disaster-	<b>1</b>	1	1	1
	(a) Drought (b) Cyclone				
	(c) Earthquake (d) Landslide				
x.	Which is the main cause of cholera?	<b>1</b>	1	1	1
	(a) Poor sanitation				
	(b) Floods				
	(c) Air pollution				
	(d) Poor nutrition				
Q.2	i. Enlist different disasters.	<b>2</b>	1	1	1
	ii. Explain the following terms –	<b>3</b>	2	2	6
	(a) Risk				
	(b) Response time				
	(c) Forewarning levels of hazards				
	iii. What is hazard? Enlist and explain different types of hazards.	<b>5</b>	2	1	1
OR	iv. What is vulnerability, explain its types?	<b>5</b>	2	3	6
Q.3	i. Define the term risk management.	<b>2</b>	1	1	6
	ii. What are the various steps that includes planning for relief?	<b>8</b>	2	2	6
OR	iii. Draw and explain in detail disaster management cycle.	<b>8</b>	2	2	6
Q.4	i. List the sustainable development goals.	<b>3</b>	1	2	7
	ii. Explain the concept of capacity building with appropriate examples.	<b>7</b>	2	3	6
OR	iii. What is resource management explain their utility in disaster management?	<b>7</b>	3	2	6

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Q.5	i. Explain changing concept of disaster management.	<b>4</b>	2	2	6
	ii. What is industrial safety plan and safety norms for disaster management?	<b>6</b>	2	2	6
OR	iii. What are different coping strategies for various disasters? Explain in detail.	<b>6</b>	2	3	6
Q.6	Attempt any two:				
	i. Explain risk reduction plan and different strategies for disaster management planning.	<b>5</b>	2	2	6
	ii. Define disaster management act and policy in India	<b>5</b>	1	2	6
	iii. How to prepare for state and district disaster management?	<b>5</b>	2	2	6

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

Q.1	i)	(Answer : D)	<b>1</b>
	ii)	(Answer : C)	<b>1</b>
	iii)	(Answer : D)	<b>1</b>
	iv)	(Answer : B)	<b>1</b>
	v)	(Answer : C)	<b>1</b>
	vi)	(Answer : D)	<b>1</b>
	vii)	(Answer : A)	<b>1</b>
	viii)	(Answer : D)	<b>1</b>
	ix)	(Answer : A)	<b>1</b>
	x)	(Answer : A)	<b>1</b>

Q.2	i.	Min 4 types of disasters - 2 M	<b>2</b>
	ii.	3 definitions 1 M each	<b>3</b>
	iii.	1 M for hazard definition and 2 M each for the explanation of at least two types.	<b>5</b>
OR	iv.	1 M for vulnerability definition and 2 M each for the explanation of at least two types.	<b>5</b>

Q.3	i.	Definition 2 M	<b>2</b>
	ii.	Explanation for 4 steps 2M each	<b>8</b>
OR	iii.	Drawing 2M and explanation 2M for each step.	<b>8</b>

Q.4	i.	12 goals 3 M	<b>2</b>
	ii.	Definition 2M further explanation 5M	<b>7</b>
OR	iii.	Definition 2M further explanation 5M	<b>7</b>
Q.5	i.	2M for definition and 2M for further explanation.	<b>4</b>
	ii.	3M for industrial safety plan and 3M for safety norms	<b>6</b>
OR	iii.	3 coping strategies 2M each.	<b>6</b>
Q.6			
	i.	2M for risk reduction plan and 3M for different strategies	<b>5</b>
	ii.	Definition 2M 1-1M each, and explanation for act 1M and explanation for policy 2M.	<b>5</b>
	iii.	Explanation for state level disaster 3M, Explanation for district level disaster 2M.	<b>5</b>

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