

(Please write your Enrollment Number)

Enrollment No. \_\_\_\_\_

**End-Term Examination**  
**(CBCS)(SUBJECTIVE TYPE)(OffLine)**  
**Course Name – B.Tech CSE/IT/ECE/MAE/DMAM/CSE-AI(Semester -IV)**  
**(jan 2024)**

<b>Subject Code: HMC-202</b>	<b>Subject: DISASTER MANAGEMENT</b>
<b>Time :3 Hours</b>	<b>Maximum Marks :60</b>
<b>Note:Q. 1 is compulsory. Attempt one question each from the Units I, II, III &amp; IV.</b>	

<b>Q1</b>		<b>(4*5=20)</b>	<b>CO Mapping</b>
	(a) What do you mean by “Hazard” ? How it is different form Disaster?		<b>1</b>
	(b) What are the causes behind the occurrence of cyclones? What is the direction of cyclone in northern hemisphere? Discuss any two steps of preparedness for cyclone.		<b>2</b>
	(c) What is remote sensing? Discuss its application for disaster management.		<b>3</b>
	(d) Discuss the Role of National disaster management authority (NDMA) for disaster management.		<b>4</b>
<b>UNIT-I</b>			<b>CO Mapping</b>
<b>Q2</b>	What is Risk? How it is related to hazard? What do you mean by the term “Vulnerability”.? Discuss the all Factors affecting the Vulnerability.	<b>(10)</b>	<b>1</b>
<b>Q3</b>	What do you understand by rehabilitation, reconstruction, under post - disaster management stage? Discuss in detail.	<b>(10)</b>	<b>1</b>
<b>UNIT-II</b>			<b>CO Mapping</b>
<b>Q4</b>	What do you understand by earthquake? What are its causes Discuss all steps of pre and post disaster management of earthquake?	<b>(10)</b>	<b>2</b>
<b>Q5</b>	What do you mean by Landslide? What are its causes? Explain all steps of disaster management for Landslide?	<b>(10)</b>	<b>2</b>
<b>UNIT-III</b>			<b>CO Mapping</b>
<b>Q6</b>	(a) What is GIS ? Discuss the use of GIS for disaster management.	<b>(5)</b>	<b>3</b>
	(b) How the drone technology can be used for Disaster management? Discuss in detail.	<b>(5)</b>	
<b>Q7</b>	(a) Discuss Indian Tsunami Early Warning System in detail.	<b>(5)</b>	<b>3</b>
	(b) Discuss the use of ICT for disaster management.	<b>(5)</b>	
<b>UNIT-IV</b>			<b>CO Mapping</b>
<b>Q8</b>	What do you mean by disaster management? Discuss the role of state government for mitigation of Disaster management.	<b>(10)</b>	<b>4</b>
<b>Q9</b>	Discuss disaster management act- 2005 in detail. What do you understand by search and rescue operation? Also write 3 international agencies name working for Disaster Management.	<b>(10)</b>	<b>4</b>