Hall Ticket Number:

Code No. : 14164 (A) N/O

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD
Accredited by NAAC with A++ Grade
B.E. IV-Semester Main & Backlog Examinations, July-2023
Disaster Management (OE-II)

Time: **3 hours**

Max. Marks: **60**

Note: Answer all questions from Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

Q. No.	Stem of the question	M	L	CO	PO
1.	Differentiate between hazard and disaster?	2	1	1	6
2.	What is the role of NDRF and NDMA in disaster management?	2	2	1	6
3.	Explain why desertification is called as a disaster?	2	1	2	6
4.	What is the Coriolis effect?	2	1	2	6
5.	Explain the significance of seismic waves.	2	1	2	5
6.	Define avalanche.	2	1	2	5
7.	What do you mean by biological disasters?	2	2	3	5
8.	Classify the types of man-made disasters with examples.	2	1	3	5
9.	Define GIS.	2	2	4	6
10.	Write down any four applications of remote sensing in disaster management.	2	2	5	6

Part-B (5 × 8 = 40 Marks)

Q. No.	Stem of the question	M	L	CO	PO
11. a)	Discuss about the major events in progression of disaster management at global level.	4	1	1	5
b)	Briefly explain the Disaster Management cycle with suitable examples.	4	2	1	5
12. a)	Write a note on various types and control measures of flood.	4	3	2	6
b)	Explain the formation of a tropical cyclone in detail.	4	2	2	6
13. a)	Define landslide. Explain the different types of landslides.	4	3	2	6
b)	Write are the causes of earthquakes? Explain tectonic plate boundaries and their movement in detail.	4	2	2	6
14. a)	Summarize the key details of Bhopal gas tragedy. Explain the role of government bodies in managing the disaster.	4	2	3	5
b)	What are the major causes of industrial hazards.	4	3	3	5

			M	L	CO	PO
15.	a)	Define active and passive remote sensing. Give examples of each one of them.	4	2	4	5
	b)	Discuss how GIS can be helpful in various phases of disaster management.	4	3	5	5
16.	a)	Write a note on vulnerability profile of India w.r.t. floods and drought.	4	3	1	6
	b)	Enlist the mitigation measures adopted in areas of drought and desertification.	4	3	2	6
17.		Answer any *two* of the following:				
	a)	Discuss the measures for strategic mitigation and prevention of the tsunami disaster.	4	4	2	6
	b)	Write down the different types and preventive measures of road accidents?	4	2	3	5
	c)	Illustrate the role of remote sensing in management of any one natural disaster using a case example.	4	4	4	6

M : Marks;   L: Bloom's Taxonomy Level;   CO; Course Outcome;   PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	20%
ii)	Blooms Taxonomy Level – 2	40%
iii)	Blooms Taxonomy Level – 3 & 4	40%

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