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Code No. : 14146 AS (A)

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. IV-Semester Advanced Supplementary Examinations, September-2022.

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.	Distinguish between natural and human made disasters.	2	1	1	6
2.	Why Landslides occur?	2	2	2	6
3.	Define mitigation and its state its importance in brief.	2	3	1	7
4.	What are the different types of man-made disasters?	2	1	3	6
5.	What is an earthquake and how to measure it?	2	2	2	6
6.	List down the losses caused by Industrial Hazards.	2	4	3	7
7.	Give two examples of chemical hazards in India.	2	3	3	6
8.	Name the major power generating company in India.	2	2	3	7
9.	How to use the concept of Remote Sensing in DM?	2	4	4	5
10.	State any two applications of GIS in Disaster Management and Mitigation?	2	2	4	5
Part-B (5 × 8 = 40 Marks)					
11. a)	Discuss about disaster management act and its duties?	4	2	1	6
b)	Explain vulnerability profile of our country?	4	4	1	7
12. a)	What are the causes and consequences of heavy floods?	4	3	2	6
b)	Describe the various flood control measures and management of floods.	4	2	2	7
13. a)	What are major earthquakes occurred in India and state the details about the same.	4	2	2	7
b)	What are the safety measures to be taken to reduce damage due to earthquake?	4	2	2	6
14. a)	Describe case study of Bhopal gas tragedy.	4	1	3	6
b)	Describe in detail the hazards produced by chemical disasters.	4	2	3	7

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15. a)	What is the application of remote sensing in disaster management?	4	3	4	5
b)	Define Active and Passive Remote Sensing.	4	4	4	5
16. a)	Explain the main causes of any one Natural Disaster. Give example.	4	2	2	6
b)	Explain in detail hydro meteorological based disasters.	4	3	2	6
17.	Answer any <i>two</i> of the following:				
a)	Define avalanches and reasons behind its occurrences.	4	1	2	7
b)	Explain about Chemical industry attacks on Earth Atmosphere. Give examples.	4	1	3	6
c)	Define GIS and what is its significance for Disaster Management?	4	4	4	5

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%
