Hall Ticket Number:

Code No. : 14128 (A)

VASAVI COLLEGE OF ENGINEERING *(Autonomous)*, HYDERABAD
B.E. (CBCS) IV-Semester Main Examinations, January-2021
Disaster Management
(Open Elective-II)

Time: **2** hours

Max. Marks: **60**

Note: *Answer any NINE questions from Part-A and any THREE from Part-B*

Part-A (9 × 2 = 18 Marks)

Q. No	Stem of the Question	M	L	CO	PO
1.	Define Vulnerability and risk.	2	1	1	1
2.	What do you mean by hazard?	2	1	1	1
3.	Hydro meteorological based disasters are natural or man-made disasters? Outline the reason for your answer.	2	2	2	6
4.	What do you mean by mitigation?	2	1	2	1
5.	List out the earthquake prone zones in India?	2	1	2	1
6.	What is the reason behind avalanches	2	1	2	6
7.	List two examples of chemical hazards in India.	2	1	3	6
8.	How power breakdowns are caused?	2	1	3	1
9.	List any two applications of Disaster Management and Mitigation?	2	4	1	6
10.	How to use the concept of Remote Sensing in Disaster Management?	2	1	5	5
11.	Explain about Disaster Management cycle?	2	2	1	1
12.	How tropical cyclones are caused?	2	1	2	1

Part-B (3 × 14 = 42 Marks)

13. a)	Discuss about disaster management act and its duties?	7	6	1	6
b)	Explain vulnerability profile of our country?	7	5	1	1
14. a)	List the reasons for drought?	7	4	2	1
b)	Explain about any natural disaster with one example?	7	2	2	1
15. a)	Explain about any Flood in India and Relief measures carried out?	7	2	2	6
b)	How are humans related to disasters, explain about Global Warming?	7	1	3	6
16. a)	Define Tsunami and explain its causes?	7	1	2	1
b)	Explain some mitigation measures to be followed after Disaster?	7	2	1	6

			M	L	CO	PO
17.	a)	Explain passive and Active Remote Sensing.	7	2	4	5
	b)	Explain the role of Remote sensing in hazard mapping?	7	2	4	5
18.	a)	Identify the main causes of any one Natural Disaster. Give example.	7	3	2	1
	b)	Identify the causes of Desertification.	7	3	2	1
19.		Answer any *two* of the following:				
	a)	What are the steps involved in mitigation process?	7	1	1	1
	b)	List the applications of RS & GIS in Disaster Management with example.	7	4	5	5
	c)	Explain about Chemical industry disaster with examples.	7	2	3	6

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

S. No.	Criteria for questions	Percentage
1	Fundamental knowledge (Level-1 & 2)	60
2	Knowledge on application and analysis (Level-3 & 4)	30
3	*Critical thinking and ability to design (Level-5 & 6) (*wherever applicable)	10

*****