Hall Ticket Number:

Code No.: 14112 AS N(A)

# VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD B.E. (CBCS) IV-Semester Advanced Supplementary Examinations, July-2019

### **Disaster Management**

(Open Elective-III)

Time: 3 hours

Max. Marks: 60

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

# Part-A $(10 \times 2 = 20 \text{ Marks})$

- Formulate a relation between Hazard, Vulnerability and Risk. 1. 2.
- What is a Disaster?
- 3. Name any two hydrological and meteorological Disasters. 4.
- Draw a neat sketch of Earthquake and represent its components. 5.
- Differentiate the manmade Disasters and Natural Disasters 6.
- What are the conditions to be satisfied to call it as a Power Breakdown? 7.
- What is Active and Passive Remote sensing? 8.
- Name the components of GIS.
- 9. Define Coriolis effect.

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What are the different types of Road accidents? 10.

# Part-B $(5 \times 8 = 40 \text{ Marks})$

11.a	Discuss the last of the last of the last of the last sketch.	
b	<ul> <li>Discuss the broad classification of Hazards based on their Genesis (Origin).</li> <li>What are different to a set</li> </ul>	[4]
12.a	) What are different types of Floods? Illustrate.	[4]
bj	) Write a short note on the mitigation techniques that are followed during Drought conditions.	[4] [4]
13.a)		
b)	What are the various types of manmade disasters? Illustrate.	[4]
14.a)	Describe the steps involved in a GIS project analysis.	[4]
b)	Outline any four reasons which supports the	[6]
	Outline any four reasons which supports the statement "Remote sensing is necessary in Disaster management".	[2]
15.a)	supportives of international Strategies for Discussion	
b)	What are the components of a Cyclone? Explain briefly with a neat sketch.	[4]
16.a)	Discuss the causes and preventive measures of Power breakdowns.	[4]
b)	Write a short note on the role of Remote sensing in the management of Floods.	[4]
17.	Answer any <i>two</i> of the following:	[4]
a)	What do you understand by the tarme with the tarme	
	What do you understand by the terms "Earthquake" and "Tsunami"? Distinguish the Earthquake and Tsunami by providing sufficient examples.	[4]
b)	Illustrate the different stages involved in Remote sensing.	
c)	Define the terms:	[4]
	i) Hazard ii) Risk iii) Vulnerability iv) Capacity	[4]

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