

A

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 99174

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Open elective

Computer Science and Engineering

19UCE974 - Disaster Management

(Common to ECE, EEE, EIE, MECH, IT, Chemical, AGRI & BME Engineering branches)

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Bhopal Gas Disaster is a kind of CO1- U
(a) Natural disaster (b) Manmade disaster (c) both a & b (d) None of the above
2. Volcanic erupted material when inside the hill/earth/mountain it is called CO1- U
(a) Lava (b) Magma (c) Lahars (d) None of the above
3. Vulnerability analysis comes in which part of the Disaster Management Cycle CO2- U
(a) Mitigation (b) Preparedness (c) Response (d) Recovery
4. High vulnerability and high hazard are associated with CO2- U
(a) Low disaster risk (b) medium disaster risk
(c) high disaster risk (d) None of the above
5. Warning about cyclonic disaster is conveyed through CO3- U
(a) Newspaper (b) Radio network (c) Television (d) All of the above
6. How much percentage of Indian land is prone to earthquakes CO3- U
(a) 52% (b) 54% (c) 59% (d) 60%
7. In which Phase of Disaster damage Assessment is done CO4- U
(a) Warning phase (b) Impact Phase (c) Rescue phase (d) Re-Habilitation Phase

8. How many Safety Integrity Levels exists CO4- U
 (a) 1 (b) 2 (c) 3 (d) 4
9. Downhill movement of earth is mainly caused by CO5- U
 (a) Monsoon failure (b) rain (c) drought (d) either (a) or (b)
10. Most major tsunamis are produced by earthquakes with magnitudes greater than CO5- U
 (a) 6 (b)7 (c)8 (d) 9

PART – B (5 x 2= 10 Marks)

11. Define Risk Analysis CO1- U
12. What are the features of DBMS? CO2- U
13. Define the climate change adaptation. CO3- U
14. What is disaster relief CO4- U
15. List out the different types of floods CO5- U

PART – C (5 x 16= 80 Marks)

16. (a) Draw the disaster management cycle and explain every stage in it. CO1- U (16)
 Or
 (b) What is hazard and how it is classified? CO1- U (16)
17. (a) Explain in detail about the key components of disaster management? CO2- App (16)
 Or
 (b) Analyze the causes for Tsunami 2004 which inflicted heavy loss to life, property along the cost of Tamil Nadu CO2- App (16)
18. (a) Explain the importance of indigenous knowledge. How is it helpful in disaster management? CO3- App (16)
 Or
 (b) Explain about disaster risk reduction programs CO3- App (16)
19. (a) Explain in detail about disaster management act, 2005. CO4- App (16)
 Or
 (b) Explain in detail about factors affecting vulnerability CO4- App (16)

20. (a) Explain about National guidelines and plans on disaster management CO5- App (16)

Or

(b) Explain in detail about methodology used in coastal flooding? CO5- App (16)

