PRESIDENCY UNIVERSITY

BENGALURU

<table>
<tr><td colspan="2">End - Term Examinations – MAY 2025</td></tr>
<tr><td>Date: 20-05-2025</td><td>Time: 09:30 am – 12:30 pm</td></tr>
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<table>
<tr><td>School: SOCSE</td><td colspan="2">Program: B. Tech-IST</td></tr>
<tr><td>Course Code: CSE2025</td><td colspan="2">Course Name: Business Continuity and Risk Analysis</td></tr>
<tr><td>Semester: VI</td><td>Max Marks: 100</td><td>Weightage: 50%</td></tr>
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CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	26	24	24	-

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.   **10Q x 2M=20M**

1.	List two advantages of disaster recovery plan.	2 Marks	L1	CO1
2.	Define disaster recovery.	2 Marks	L1	CO1
3.	List one difference between mitigation and recovery?	2 Marks	L1	CO1
4.	Define business continuity?	2 Marks	L1	CO2
5.	Define a BCP.	2 Marks	L1	CO2
6.	List two differences between BCP and DRP?	2 Marks	L1	CO2
7.	Define BIA.	2 Marks	L1	CO3
8.	List common threats to business continuity.	2 Marks	L1	CO3
9.	List five pillars of information assurance.	2 Marks	L1	CO4
10.	EXPAND COBIT and STE.	2 Marks	L1	CO4

Part B

Answer the Questions. **Total Marks 80M**

11.	a.	Explain different types of disaster.	20 Marks	L2	CO1
		Or			
12.	a.	How does a disaster recovery plan work? Develop a disaster recovery plan involving 6Rs of recovery cycle.	20 Marks	L3	CO1

13.	a.	Explain any three components of BCP.	10 Marks	L2	CO2
	b	Why crisis communication plan is important? Develop a crisis communication plan mentioning the guidelines for communication.	10 Marks	L3	CO2
		Or			
14.	a.	Explain the key differences between business continuity and disaster recovery.	10 Marks	L2	CO2
	b.	Interpret any three IT contingency planning process.	10 Marks	L3	CO2

15.	a.	Explain the key steps involved in risk management process.	10 Marks	L2	CO3
	b.	Illustrate information system auditing and monitoring.	10 Marks	L3	CO3
		Or			
16.	a.	A company's website is at risk of a cyber-attack, which could result in financial losses. The estimated probability of a successful cyber-attack occurring within a year is 0.05 (5%), and the potential financial loss per incident is estimated to be $200,000. Compute the Annual Loss Expectancy (ALE) for this risk.	10 Marks	L2	CO3
	b.	Apply your understanding of risk assessment and describe the responsibilities of senior management, chief risk officer, legal and compliance team and IT security professionals.	10 Marks	L3	CO3

17.	a.	Explain the key steps involved in security testing and evaluation.	10 Marks	L2	CO4
	b.	Demonstrate Security Requirements and Information Categorization.	10 Marks	L3	CO4
		Or			
18.	a.	Explain the 5 pillars of information assurance.	10 Marks	L2	CO4
	b.	Illustrate the development of information assurance principles and practices.	10 Marks	L3	CO4