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BENGALURU
School of Computer Science and Engineering
Mid - Term Examinations - November 2024

Semester: VII

Date: 05-11-2024

Course Code: CSE2025

Time: 02.00pm to 03.30pm

Course Name: BUSINESS CONTINUITY AND
RISK ANALYSIS

Max Marks: 50

Program: B. Tech (CSE)

Weightage: 25%

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.

5Qx2M=10M

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|----------|--|----------------|-----------|------------|
| 1 | List the outcomes of a disaster. | 2 Marks | L1 | C01 |
| 2 | Why disaster recovery is important. | 2 Marks | L1 | C01 |
| 3 | List any two reasons why a DR plan is important. | 2 Marks | L1 | C01 |
| 4 | Define mitigation strategies. | 2 Marks | L1 | C02 |
| 5 | Define BIA. | 2 Marks | L1 | C02 |

Part B

Answer ALL Questions. Each question carries 10 marks.

4QX10M=40M

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|------------|--|----------------|-----------|------------|
| 6a. | Give two examples of each type of disaster. | 2 Marks | L1 | C01 |
| 6b. | What is a hot site, warm site and cold site? | 3 Marks | L1 | C01 |
| 6c. | The Indian Ocean tsunami, triggered by a massive undersea earthquake, struck several countries, including India, on December 26, 2004. Coastal regions of Tamil Nadu, Andhra Pradesh, and the Andaman and Nicobar Islands were severely affected. Explain the recovery plan. | 5 Marks | L3 | C01 |

or

- 7
- 7a.** List the 6 Rs' of disaster recovery. **2 Marks** **L1** **C01**
- 7b.** What are steps taken during team mobilization task during disaster recovery. **3 Marks** **L2** **C01**
- 7c.** Flash floods and landslides in June 2013 severely impacted the state of Uttarakhand. Thousands of people were stranded, and infrastructure, including roads and bridges, was damaged. Explain the recovery plan. **5 Marks** **L3** **C01**

- 8
- 8a.** Define divide and conquer strategy of IT disaster recovery. **2 Marks** **L1** **C01**
- 8b.** Discuss Monitoring and Evaluation (M&E) of disaster recovery. **3 Marks** **L2** **C01**
- 8c.** Discuss key differences between disaster recovery and business continuity. **5 Marks** **L2** **C01**

or

- 9
- 9a.** What is the purpose of a checklist? **2 Marks** **L1** **C01**
- 9b.** Explain the various types of disaster recovery costs. **3 Marks** **L2** **C01**
- 9c.** Explain "challenge the business" and "try before you buy" strategies for IT disaster recovery. **5 Marks** **L2** **C01**

- 10
- 10a.** Define risk mitigation plan. **2 Marks** **L1** **C02**
- 10b.** Explain the types of crises. **3 Marks** **L1** **C02**
- 10c.** What factors organizations should consider when choosing an off-site backup location. **5 Marks** **L2** **C02**

Or

- 11
- 11a.** Define a crisis communication plan. **2 Marks** **L1** **C02**
- 11b.** Discuss recovery point objective and recovery time objective. **3 Marks** **L2** **C02**
- 11c.** What is an alternate site? Explain the factors to be considered while selecting an alternate site. **5 Marks** **L2** **C02**

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| | 12a. | Why a constant and transparent communication is important to maintain business continuity? | 2 Marks | L1 | C02 |
| 12 | 12b. | Discuss how RPA can help in keeping business continuity. | 3 Marks | L2 | C02 |
| | 12c. | Explain the three basic strategies which would help in equipment replacement. | 5 Marks | L2 | C02 |
| or | | | | | |
| | 13a. | What is the major difference between crisis management team and response team? | 2 Marks | L1 | C02 |
| | 13b. | Discuss any two strategies to maintain business continuity. | 3 Marks | L2 | C02 |
| 13 | 13c. | In 2011, Japan experienced a massive earthquake and tsunami that disrupted supply chains and manufacturing operations across the country. Toyota, one of the world's largest automakers, faced significant challenges. Explain the importance of BCP in this case, outcomes and the lessons learned. | 5 Marks | L3 | C02 |