



**SLIATE**

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

---

**Higher National Diploma in Information Technology  
Second Year, Second Semester Examination – 2016  
HNDIT 2423- Disaster Recovery & Business Continuity Planning (New)**

Instructions:

Answer any five questions.

All questions carry equal marks

No. of questions : 06

No. of pages : 03

Time : Three hours

---

1.

I What do you mean by Disaster Recovery? (4 marks)

II Control measures are considered as steps or mechanisms that can reduce or eliminate various threats for organizations. Briefly discuss different types of measures that can be included in BCP/DRP.

(9 marks)

III. If the ALE of the threat of a hacker bringing down a Web server is \$12,000 prior to implementing the suggested safeguard, \$3,000 after implementing the safeguard, and the annual cost of maintenance and operation of the safeguard is \$650. Calculate cost/benefit value of this safeguard to the company

(7 marks)

[Total 20 marks]

2.

I. Define and explain information security (4 marks)

II. Identify and define the components of contingency planning (8 marks)

III. Explain methods of risk transference strategy? (8 marks)

[Total 20 marks]

3.

I. Briefly describe three (03) dimensions of privacy (6 marks)

II. Explain 3 types of risk with examples for an organization (6 marks)

III. Briefly discuss key difference between Confidentiality and Integrity (8 marks)

[Total 20 marks]

4.

I. What is Cloud Computing? (4 marks)

II. Briefly describe advantages and drawbacks of cloud computing (8 marks)

III. Explain the following terms under the recovery strategies

a. Hot Site

b. Warm Site

c. Cold Site

d. Mobile Site

(4\*2=8 marks)

[Total 20 marks]

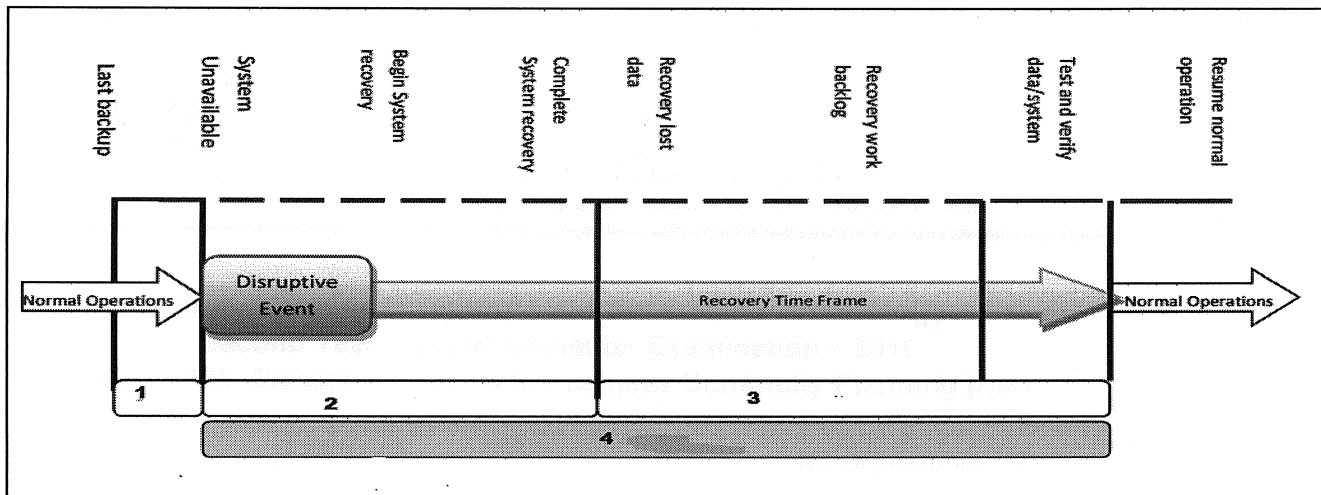
5.

I. Briefly describe objectives of the Disaster Recovery Testing (4 marks)

II. Explain 3 types of hardware faults (6 marks)

III. Identify and explain point 1, 2, 3, & 4 of the diagram as given below (10 marks)

## Critical Recovery Timeframes



6.

I. What are the most popular algorithms used in backup strategy?

(4 marks)

II. Write down 4 number of Tape backup devices & Briefly explain two of them

(4+4=8 marks)

III. What are the activities done in the BCP Auditing stage?

(8 marks)

[Total 20 marks]