

R16

Code No: 136CD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, May - 2019

INFORMATION SECURITY MANAGEMENT (SECURITY ANALYST-I)

(Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

- 1.a) What is the Role of a security analyst in information technology? [2]
- b) Explain how is a virus different from a Trojan horse? [3]
- c) What is Communications Security (COMSEC)? [2]
- d) What are the Elements of information security? [3]
- e) What is Sensitive data in companies and organizations? [2]
- f) What is Data leakage? How does occurs? [3]
- g) List the COBIT Maturity Model scale measurements. [2]
- h) Give the two types of basic security policies. [3]
- i) Describe the information and data security team structure. [2]
- j) What are the responsibilities of Security Steering Committee in the information security? [3]

PART - B

(50 Marks)

- 2.a) Depending on virus "residence", classify viruses.
 - b) What type of information must or should be protected? [5+5]
- OR**
3. What are the types of attack? [10]
- 4.a) What are Information states? Explain.
 - b) What are basic information security concepts? [5+5]
- OR**
- 5.a) What Barriers to Effective Communication.
 - b) What are the implications of not meeting commitments on individuals and organization? [5+5]
6. What technological means can be employed for enhancing DLP? [10]
- OR**
7. What are potential damage and adverse consequences of a data leakage incident? [10]

8. What are the key elements of information security policies? [10]

OR

9. Explain concepts in the COSO framework. [10]

10. What are the responsibilities of CEO or Executive Management? [10]

OR

11. What are the responsibilities of Security Analyst in the information security? [10]

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