Code No: 16FB

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, May - 2017
INFORMATION SECURITY MANAGEMENT
(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 are the major skills of security analyst? [2]
 b) What are the key concerns in information assets security? [3]
 c) Which are the three states of Information? [2]
 d) What makes a Root Cause Analysis? [3]
 e) Define Data Leakage [2]
 f) What are the three states in which enterprise data exist? [3]
 g) List down the persons responsible for implementation of security policies? [2]
 h) Explain the application of Deming Cycle in IT security? [3]
 i) Define the role of system administrator? [2]
 j) Write a short notes on accountability? [3]

PART - B
(50 Marks)

2. List and explain in detail about various types of attacks. [10]
OR
3.a) Explain how is a virus different from a Trojan horse?
 b) State the reason why a Cavity virus is difficult to detect unlike traditional viruses. [5+5]

4. State and explain in detail about basic information security concepts. [10]
OR
5. Explain various types of non-repudiation services that are defined in international
standard ISO 14516:2002. [10]

6. Compare and contrast between data leakage features and solutions. [10]
OR
7. Explain in detail about the various techniques used for content analysis. [10]

8. Describe in detail about seven control areas defined by COBIT. [10]
OR
9. State and explain the key elements that a policy should contain. [10]

10. With a neat flowchart explain hierarchal roles with respect to information security. [10]
OR
11. Explain how is the role of a Security Analyst different from Security Engineer. [10]

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