

R13

Code No: 117JV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech IV Year I Semester Examinations, November/December - 2016****INFORMATION SECURITY ASSESSMENTS AND AUDITS****(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 performance metrics? [2]
- b) Explain black box information security methodology. [3]
- c) Define vulnerability Analysis. [2]
- d) What are post auditing actions? [3]
- e) What are information security vulnerabilities? [2]
- f) Illustrate about threat management. [3]
- g) Define residual risk. [2]
- h) How to choose a right tool for information security assessment? [3]
- i) Discuss about configuration management. [2]
- j) Which information does Financial Management for IT Services need from Configuration Management? [3]

PART-B**(50 Marks)**

2. Describe the Ethics of an Information Security Auditor. [10]
- OR**
3. Explain Infrastructure, Network and communication routes in detail. [10]
4. Discuss in detail about internal security Audit. [10]
- OR**
5. Explain in detail about the concept of social engineering security auditing. [10]
6. Describe in detail about computer based social engineering. [10]
- OR**
7. Illustrate in detail about vulnerability scanning. [10]
8. Explain the stages of vulnerability analysis in detail. [10]
- OR**
9. Describe in detail about the information security risk assessment. [10]
10. List and explain the requirements for configuration management. [10]
- OR**
11. Explain in detail about the development of configuration control policies. [10]

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