

M.E. DEGREE EXAMINATIONS: NOV/DEC 2010

Third Semester

COMPUTER SCIENCE ENGINEERING

CSE589: Enterprise Information Security

Time: Three Hours

Maximum Marks: 100

**Answer ALL Questions:-
PART A (10 x 2 = 20 Marks)**

1. Define Information security.
2. What are the components of information system?
3. What is meant by Denial of service?
4. Define threats?
5. How to identify risk occur in security analysis?
6. What are the components of Risk management?
7. Write any two security standards.
8. What is VISA model?
9. Define Host-Based IDS.
10. List the limitation of Intrusion detection systems?

PART B (5x16=80 Marks)

11. a) (i) Write short notes on NSTISSC model. (8)
(ii) Explain in detail about security systems development life cycle. (8)
(OR)
b) Describe in detail about the systems development life cycle with neat diagram.
12. a) (i) What are all major types of attack used against controlled systems? (4)
(ii) Explain in detail about any 6 types of attacks. (12)
(OR)
b) Discuss in detail about international laws & legal bodies and policy versus Law.
13. a) What is risk management? Write short notes on risk assessment. (OR)
b) What are the four strategies to control the risks that result from vulnerabilities? Explain in detail about it.
14. a) Describe about ISO 17799/BS7799 & NIST Models. (OR)
b) List the components of contingency planning and discuss in detail about business Continuity.
15. a) (i) Why use an IDS? (4)
(ii) Write short notes on Network-Based IDS. (12)
(OR)
b) What is supplicant? Explain in detail about four general forms of authentication.
