Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 51162

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Eighth Semester

Computer Science and Engineering

080230068 — INFORMATION SECURITY

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate how an exploit differ from vulnerability.

2. List any four measures to be taken for protecting confidentiality of information.

3. What is the need for providing security?

4. What are the threats to Information Security?

5. Define risk management.

6. Enumerate likelihood.

7. What is an information security policy? Give an example.

8. What is the need for clean desk policy?

9. Define the term" clipping level" in a Statistical Anomaly-Based IDS.

10. What is an Enticement and Entrapment?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Brief about history of Information Security. (6)

(ii) Describe various Components of Information Security. (10)

Or

(b) Discuss in detail about Security System Development Life cycle. (16)

12. (a) (i) Enumerate the differentiate types of Denial of service attacks. (8)

(ii) Describe the various attack replication vectors. (8)

Or

(b) (i) List the ten commandments of Computer Ethics. (4)

(ii) Enumerate in detail about the deterrence to unethical and if legal behavior. (12)

13. (a) Write a detailed note on risk identification and assessment. (16)

Or

(b) Discuss briefly about controlling the risk. (16)

14. (a) Discuss in detail about the ISO 17799/BS 7799 security model with a neat block diagram. (16)

Or

(b) Elaborate on the VISA International security model with their pros and cons. (16)

15. (a) Explain the various types of Intrusion Detection Systems. (16)

Or

(b) Discuss in detail about the components of cryptology. (16)
