(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2170   Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

B.Tech.

(SEMESTER-VI) THEORY EXAMINATION, 2012-13

INFORMATION SECURITY AND CYBER LAWS

Time : 2 Hours]   *[Total Marks : 50*

SECTION – A

1. Attempt **all** question parts :   5 × 2 = 10

   (a) Define the terms "Confidentiality" and "Data Integrity".

   (b) Define Electronic Data Interchange (EDI).

   (c) How Digital Signatures are related to Public Key Cryptographic Systems ?

   (d) What is Digital Signature ?

   (e) What do you mean by Physical Security for Information Systems ?

SECTION – B

2. Attempt any **three** question parts :   3 × 5 = 15

   (a) What do you mean by Information Security ? Distinguish between information level threats and network level threats.

   (b) What do you mean by RFID ? How RFID can be used in Mobile Commerce and Information Asset Protection ?

   (c) What are legal challenges in deployment of Biometric in public domain applications ?

   (d) List the broad activities involved in settlement of a business transaction in E-Commerce.

   (e) What do you mean by VPN's ? Discuss authentication mechanism used in VPN's.

SECTION – C

   Attempt **all** questions :   5 × 5 = 25

3. Attempt any **one** part :   1 × 5 = 5

   (a) What are Information system threats and attacks ?

   (b) Give the classification of threats and assessing damages.

4. Attempt any **one** part :   1 × 5 = 5

    (a) What are the basic principles of information security ? Also explain other terms of information security.

    (b) Describe requirements, steps and goals of Service Management in service delivery process.

5. Attempt any **one** part :   1 × 5 = 5

    (a) How can a Biometric be used for access control ? Why the need of information security and law are raising ?

    (b) Explain Cyber crime. Also discuss some types of cyber crime.

6. Attempt any **one** part :   1 × 5 = 5

    (a) What is IDS ? Explain its categories.

    (b) Describe the approaches used for Intrusion Detection in a system.

7. Write short note on any **one** :   1 × 5 = 5

    (a) IPR Laws

    (b) Trade makers

    (c) Software Piracy