(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

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