

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

PAPER ID : 2170

Roll No.

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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**
- Define the terms “Confidentiality” and “Data Integrity”.
 - Define Electronic Data Interchange (EDI).
 - How Digital Signatures are related to Public Key Cryptographic Systems ?
 - What is Digital Signature ?
 - What do you mean by Physical Security for Information Systems ?

SECTION – B

2. Attempt any **three** question parts : **3 × 5 = 15**
- What do you mean by Information Security ? Distinguish between information level threats and network level threats.
 - What do you mean by RFID ? How RFID can be used in Mobile Commerce and Information Asset Protection ?
 - What are legal challenges in deployment of Biometric in public domain applications ?
 - List the broad activities involved in settlement of a business transaction in E-Commerce.
 - 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**
- What are Information system threats and attacks ?
 - 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

