

Printed Pages : 2

EIT505

(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-V) 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”.
 - What do you mean by Non-repudiation in which systems ?
 - How Digital Signatures are related to Public Key Cryptographic Systems ?
 - What are security threats in Mobile Computing ?
 - What do you mean by Physical Security for Information Systems ?

Section – B

2. Attempt any **three** question parts : **5 × 3 = 15**
- List Broad activities involved in settlement of a business transaction in E-Commerce ? List issues related to safety of business transaction on web.
 - What do you mean by RFID ? How RFID can be used in Mobile Commerce and Information Asset Protection ?
 - Discuss the security issues in mobile computing environment.
 - What do you mean by Intrusion Detection ? Discuss in detail about Principles and Architecture of Intrusion Detection System (IDS).
 - What do you mean by Intellectual property ? Describe various means using which intellectual property may be protected to an extent. Also explain Digital Millennium Copyright Act (DMCA).

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Section – C

Attempt **all** questions :

3. Attempt any **one** parts : **(5 × 1 = 5)**
- (a) What do you mean by Information Security ? Distinguish between Information level threats and network level threats.
 - (b) What are security threats in Mobile Computing ? Explain how are they dealt ?
4. Attempt any **one** parts : **(5 × 1 = 5)**
- (a) Describe requirements, steps and goals of Service Management in service delivery process.
 - (b) Describe briefly the key security threats in the e-commerce environment.
5. Attempt any **one** part : **(5 × 1 = 5)**
- (a) What is Biometrics ? How can a Biometric be used for access control ? Discuss the criteria for selection of Biometrics.
 - (b) What are legal challenges in deployment of Biometric in public domain applications ?
6. Attempt any **one** parts : **(5 × 1 = 5)**
- (a) What do you mean by Virtual Private Networks ? Discuss authentication mechanism used in virtual private Networks ?
 - (b) List the Security Services provided by digital signature.
7. Write short notes on any **one** parts : **(5 × 1 = 5)**
- (a) Legal Issues in Data Mining Security
 - (b) Software Privacy Cyber Crime Types
 - (c) IPR & Patent Law
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