



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

PAPER ID : 110605

Roll No.

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B. Tech.

(SEM. VI) THEORY EXAMINATION, 2014-15 INFORMATION SECURITY AND CYBER LAWS

Time : 2 Hours]

[Total Marks : 50

1 Attempt **any four** parts of the following: **3×4=12**

- (a) Define the term "tunnelling" in VPN. Explain its different types of it.
- (b) Discuss the different approaches used for Intrusion Detection in a system.
- (c) Differentiate between direct and indirect security metrics.
- (d) What is Electronic Data Interchange? What are the benefits of EDI ?
- (e) Write down the different factors of biometric system.
- (f) Explain the following term:
 - (i) Confidentiality
 - (ii) Data Integrity

2 Attempt **any four** parts of the following: $3 \times 4 = 12$

- (a) Explain the biometric system with the help of a diagram.
- (b) What is VPN ? Discuss different types of VPN.
- (c) Differentiate between Credit card and Debit card.
- (d) What is E-Commerce? Explain different types of it.
- (e) What is Physical Security? Write down the basic tenets of physical security.
- (f) Discuss the ethical and legal issues in software piracy.

3 Attempt **any Two** parts of the following: $7 \times 2 = 14$

- (a) What do you mean by cyber crime? Discuss different types of cyber crime in detail.
- (b) Write down short note on the following:
 - (i) IPR (ii) Patent Law (iii) Copyright Law
- (c) What is information system? Explain the different characteristics and components of information system.

4 Attempt **any Two** parts of the following: $6 \times 2 = 12$

- (a) What do you mean by access control to an information resource? Discuss differences between authentication and user identification.
- (b) What is Digital Signature system? How digital signature are related to Public Key Cryptography?
- (c) What are various types of threats to Information Systems? Discuss in detail.