



(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.

8 3-III
(b) Discuss the different approaches used for Intrusion Detection in a system.

(c) Differentiate between direct and indirect security metrics.

2 IV
(d) What is Electronic Data Interchange? What are the benefits of EDI ?

~~1 III~~ 2 III
(e) Write down the different factors of biometric system.

(f) Explain the following term:

(i) Confidentiality

(ii) Data Integrity

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

- P 2-IV
P 3-II
2-III
P II(CT-V)
- (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. -2BP
 - (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: $7 \times 2 = 14$

- P 4-II
P 4-II
P 1-III
- (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: $6 \times 2 = 12$

- P 3-1
P 1-IV
- (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.