



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

**PAPER ID : 113502**

Roll No.

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### B. Tech.

(SEM. V) (ODD SEM.) THEORY  
EXAMINATION, 2014-15

**INFORMATION SECURITY AND CYBER LAWS**

Time : 2 Hours]

[Total Marks : 50

- Note :**
- Attempt all the questions.
  - All questions carry equal marks.

Attempt any four of the following :

3×4=12

- Explain the need of Distributed Information Security.
- Define the terms Confidentiality and Data Integrity.
- How digital signatures are related to Public Key Cryptographic Systems?
- Discuss the security issues in mobile computing environment.
- What do you mean by Physical Security for Information Systems?

2 Attempt any four of the following :

3×4=12

- Explain E-cash. Discuss the working of credit cards.
- What is VO.? Why they are needed? Explain various typical approaches of VO.

- Explain security threats to E-commerce.
- What do you mean by Intrusion Detection? Discuss the Principles and Architecture of Intrusion Detection System (IDS).
- Explain the concept of Intellectual property? Describe various means using which intellectual property may be protected to an extent. Also explain Digital Millennium Copyright Act (DMCA)

Attempt any two of the following :

6×2=12

- What are firewalls? Why they are needed? Explain firewall topologies.
- Describe Virtual Private Networks? Explain authentication mechanism used in virtual private networks?
- What are electronic payment systems? Compare electronic payment system on internet with conventional payment mechanism.

4

Attempt any two of the following:

7×2=14

- What is biometrics? How can a biometric be used for access control? Explain some biometric techniques.
- Describe requirements, steps and goals of service management in service delivery process.
- Write short notes on any Two:
  - Cyber crime Types and overview.
  - IPR and Patent Law.
  - Ethical and legal issues in software privacy.

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