

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

PAPER ID : 113502 Roll No. 1103210080

**B.Tech.**

(SEM. VI) THEORY EXAMINATION 2013-14

**INFORMATION SECURITY AND CYBER LAWS**

Time : 2 Hours

Total Marks : 50

**Note :-** Attempt all questions.

1. Attempt any two parts of the following : (7×2=14)
  - (a) Explain the role of senior management in an organisation with respect to information security management.
  - (b) Why is Security Policy needed ? Describe its types.
  - (c) Explain the following terms :
    - (i) Symmetric Key
    - (ii) Access Control
    - (iii) Active Attacks.
2. Attempt any two parts of the following : (6×2=12)
  - (a) Define Biometric systems. Discuss design issues in biometric systems with the help of diagrams.
  - (b) As a Corporate Information Security Professional, what's more important to focus on : threats or vulnerabilities ? Describe the consequences of each.
  - (c) What is the role of EDI in e-Commerce.

3. Attempt any **two** parts of the following : (6×2=12)

- (a) Explain the basic building blocks of information security.
- (b) Discuss key design and implementation issues for firewalls.  
Explain the critical role of firewall policies that organisations must consider.
- (c) What are the different roles involved in managing information as 'asset' ? How does role of 'custodians' differ from the role of 'user' ?

4. Write short notes on any **two** : (6×2=12)

- (a) Intellectual Property Rights
- (b) Tunneling
- (c) Patent.