

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

PAPER ID : 2170**Roll No.**

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B. Tech.**(SEM. VI) THEORY EXAMINATION 2011-12
INFORMATION SECURITY AND CYBER LAWS***Time : 2 Hours**Total Marks : 50***Note :— Attempt all questions.**

1. Attempt any **two** parts of the following :— ($6\frac{1}{2} \times 2 = 13$)
 - (a) What is an information system ? Discuss. How does the use of Internet by organisations support their business processes and activities ?
 - (b) What are the challenges in establishment of secure networks ? Discuss.
 - (c) Explain the following terms :—
 - (i) Public key cryptography.
 - (ii) Integrity.
 - (iii) Passive Attacks.
2. Attempt any **two** parts of the following :— ($6\frac{1}{2} \times 2 = 13$)
 - (a) What are the requirements of payment systems in e-commerce ? Explain the working of credit card transactions in e-commerce.
 - (b) What is Electronic Data Interchange (EDI) ? How does EDI work ? Discuss the benefits of EDI.
 - (c) Define Biometric systems. Discuss design issues in biometric systems.

3. Attempt any **two** parts of the following :— (6×2=12)
- (a) What is a digital signature ? Discuss the requirements to be fulfilled by digital signature application.
 - (b) Discuss various types of intrusions possible in a network systems. What are the approaches used for detection of the intrusions ?
 - (c) What is a VPN ? Discuss the scenarios where VPN can be deployed.
4. Write short notes on any **two** :— (6×2=12)
- (a) Cyber Crimes.
 - (b) Legal dimensions of the information security.
 - (c) Software piracy.