

(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. V) ODD SEMESTER THEORY

EXAMINATION 2013-14

INFORMATION SECURITY AND CYBER LAWS

Time : 2 Hours

Total Marks : 50

Note :- (1) Attempt all questions.

(2) All questions carry equal marks.

(3) Be precise in your answers.

1. Attempt any two parts :

(2×6=12)

- (a) What are the design issues of distributed information system ? Explain the architectures for information systems.**
- (b) Define various types of attacks in detail. Differentiate information level threat and network level threat.**
- (c) (i) What are security issues in mobile computing environment ?**
(ii) Explain the meaning of the terms confidentiality, integrity and availability.

2. Attempt any two parts :

(2×6=12)

- (a) (i) What do you mean by biometric data ? Discuss the advantages of using biometric over traditional authentication method.**

- (ii) Explain the steps involved in process flow of any biometric systems.
 - (b) Discuss electronic payment systems in detail. Also give the difference between the credit card based system and digital cash based system.
 - (c) Discuss the concept of Virtual Organization with example.
3. Attempt any two parts : (2×7=14)
- (a) (i) Differentiate between symmetric and asymmetric key cryptosystems in detail.
 - (ii) What are the various approaches to deploy a firewall ?
 - (b) What is an Intrusion detection system ? Explain approaches used for Intrusion Detection.
 - (c) What do you understand by Virtual Private Network ? (VPN) ? Discuss how a VPN is established.
4. Write short notes on any two : (2×6=12)
- (a) Dimensions of Cyber Crimes
 - (b) Copyright Laws
 - (c) Software Piracy.