



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

**PAPER ID : 111111**

Roll No.

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## B. Tech.

### (SEM. II) THEORY EXAMINATION, 2014-15 CYBER SECURITY

Time : 2 Hours]

[Total Marks : 50

1 Attempt any four questions :

4×3=12

- (a) What do you understand by information system(IS)? Discuss various advantages of information system.
- (b) What are the various components of information system, discuss ?
- (c) How the information system is helpful to business organizations ?
- (d) Write short note on the classification of information system.
- (e) Differentiate between Information System(IS) and Information Assurance(IA).
- (f) What do you understand by cyber bullies and predators ?

**2 Attempt any four questions : 4×3=12**

- (a) What major challenges are faced by software vendors regarding the security of applications?
- (b) Give two general methods that are widely used to prevent security threats.
- (c) Describe various data security considerations with examples.
- (d) Explain any one security technology that is used for data and application security.
- (e) Differentiate between hardware and software firewall.

**3 Attempt any two questions : 2×6=12**

- (a) What do you understand by information security governance and risk management ?
- (b) What are the primary measures applied for the security of backup ?
- (c) Write short notes on Closed circuit television (CCTV) surveillance.

**4 Attempt any two questions : 2×7=14**

- (a) What are the main objectives and scope of IT Act 2000 ?
- (b) Provide an overview of intellectual property related legislation in India.
- (c) What is Smart card ? Differentiate between Credit and Debit card.