

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

Paper ID : 199992

Roll No.

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Theory Examination (Semester-IV) 2015-16

CYBER SECURITY

Time : 2 Hours

Max. Marks : 50

Section-A

Note : Attempt all the parts. All parts carry equal marks. Write answer of each part in short.

Q1. Attempt any five parts : (2×5=10)

- (a) What are the security threats? Discuss.
- (b) What do you understand by security structure and design?
- (c) Describe the Intellectual Property Issues (IPR).
- (d) Discuss the difference between Malware and spyware.

- (e) Who are the major victims of cyber-crime?
- (f) What do you know about Security Risk Management?
- (g) What are firewalls?
- (h) Is hacking always for financial gains?
- (i) Why backup is essential?
- (j) What is a virus? Explain.

Section-B

Q2. Attempt any four questions from this section. (4×5=20)

- (a) What are the key technological components used for security implementation?
- (b) What is the information security? Explain cyber-crime and cyber security in this reference.
- (c) Draw the diagrammatical approach to make difference between symmetric and asymmetric cryptography.
- (d) How can you say that intrusion detection system is the backbone of information system? Justify along with its categories.

- (e) Write short note on:
- i. Incident Response Plan
 - ii. Disaster Response Plan
 - iii. Business continuity Plan
- (f) Elaborate the difference between security and threats and explain web security.
- (g) What is security SDLC? Explain its different phases.
- (h) Explain and differentiate between integrating security at the implementation phase and the developing phase.

Section-C

Note: Attempt any two questions from this section.

(2×10=20)

- Q3. Elaborate the term access control. What is included in authorization process for (File, Program, Data rights) and explain the all types of controls. [5+5]
- Q4. What are the data security considerations? Explain in this reference Data backup security, data archival security and data disposal considerations. [5+5]

Q5. Write short notes on any two of the follows:

(i) Intellectual Property Law

(ii) Copyright Act

(iii) Cyber Laws in India.