Printed Pages: 4   AUC-002

| (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.

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(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]

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

    (i)   Intellectual Property Law

    (ii)   Copyright Act

    (iii)   Cyber Laws in India.