Sub Code:AUC002

Paper Id: 199002 Roll No: | | | | | | | | | | | | |

B TECH/MBA
(SEM-ODD) THEORY EXAMINATION 2019-20
CYBER SECURITY

Time: 3 Hours *Total Marks: 100*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

a. What are the security threats? Discuss.
b. What do you understand by security structure and design?
c. Who are the major victims of cyber-crime?
d. What do you know about Security Risk Management?
e. What are firewalls?
f. Define IT asset and the security of IT Assets.
g. What do you mean by virus, worm and IP spoofing?
h. What is digital signature?
i. What is Cryptography?

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30

a. Explain Legal issues in Data mining Security.
b. What are the key technological components used for security implementation?
c. How can you say that intrusion detection system is the backbone of information system? Justify along with its categories.
d. Draw the diagrammatical approach to make difference between symmetric and asymmetric cryptography.
e. What is Electronic cash? How does cash based transaction system differ from credit card based transactions?

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10

(a) What are the five pillars of information assurance? Explain in details.
(b) How do you perform a risk analysis? Explain the process of risk analysis in details?

4. Attempt any *one* part of the following: 10 x 1 = 10

(a) What is Malicious software? Explain the types of malicious software in details.
(b) Differentiate Backups, Archival Storage and Disposal of Data with suitable examples.

5. Attempt any *one* part of the following: 10 x 1 = 10

(a) Write a short note on CCTV and its applications briefly.
(b) What are the security threats in mobile computing? Explain in detail.

6. Attempt any *one* part of the following: 10 x 1 = 10

(a) What is Denial of Services (DoS) attack? How does a Dos attack in network security?
(b) Explain WWW policies and Email Security policies.

7. Attempt any *one* part of the following: 10 x 1 = 10

(a) Explain Semiconductor Law and Patent Law.
(b) Explain IT Act 2000 Provisions.

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