Paper Id: | **199523** | Roll No: | | | | | | | | | | | | |

B. TECH
(SEM V) THEORY EXAMINATION 2019-20
CYBER SECURITY

Time: 3 Hours   *Total Marks: 70*

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

SECTION A

1.   Attempt *all* questions in brief.   **2 x 7 = 14**

a.   What do you mean by access control to information resources?
b.   Explain the concept of EDI.
c.   What is meant by security attack? How are they classified?
d.   Describe security risk analysis.
e.   How we can use firewall to make secure our application?
f.   What is e-mail spamming/e-mail bombing?
g.   What are the techniques involved in intrusion detection?

SECTION B

2.   Attempt any *three* of the following: **7 x 3 = 21**

a.   Explain legal issues in Data mining Security.
b.   Discuss different issues and challenges in cyber crime?
c.   Describe the basic concepts of integrity and confidentiality policies.
d.   What is digital signature? What are the requirements of digital signature system. List the security services provided by digital signature.
e.   What are the decision support systems? Discuss major functional requirement of a decision support system.

SECTION C

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

(a)   Explain different types of Computer Forensics Technology?
(b)   What is Security Threats to E-Commerce?

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

(a)   Explain web server and session hijacking with example.
(b)   What are electronic payment systems? Compare electronic payment system on Internet with conventional payment mechanism.

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

(a)   Explain the intellectual property law in details.
(b)   Explain unique features of Indian IT Act. Also Discuss the various tools of web security.

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

(a)   What is development of Information system? Explain spiral model of information system
(b)   Draw the diagrammatical approach to make difference between symmetric and asymmetric Cryptography.

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

(a)   Explain the information system resource and activities and what may be the reason of failure of it?
(b)   Explain and differentiate between integrating security at the implementation phase and the developing phase.