

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 A1. **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 B2. **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 C3. **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.