

B. TECH./ BARCH
(SEM-IV/II) THEORY EXAMINATION 2018-19
CYBER SECURITY

Time: 3 Hours**Total Marks: 100****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief.** **2 x 10 = 20**
- What do you mean by Information System?
 - Explain Information Security.
 - What is E-Commerce?
 - Explain Denial of Service?
 - Explain the Role of Digital Signature.
 - Explain Security Risk Analysis.
 - Explain Malicious Software.
 - Define Trapdoors.
 - Define Spoofs.
 - What is VPN?

SECTION B

- 2. Attempt any three of the following:** **10 x 3 = 30**
- Explain WWW policies in Cyber Security in detail.
 - Explain Biometric system? Discuss the advantages of Biometrics over traditional authentication method.
 - Describe the concept of Intrusion Detection System.
 - Explain the Security technologies that are used for data & application security.
 - Explain the primary measures applied for security of backup.

SECTION C

- 3. Attempt any one part of the following:** **10 x 1 = 10**
- Explain the Objective & Scope of IT Act 2000.
 - Explain Smart Card. Explain how Credit Card is different from Debit Card.
- 4. Attempt any one part of the following:** **10 x 1 = 10**
- Explain the Data Security, Email Security & Internet Security in detail.
 - What do you mean by Virtual Private Networks? Discuss authentication mechanism used in VPN.
- 5. Attempt any one part of the following:** **10 x 1 = 10**
- What is Electronic Data Interchange? What are the benefits of EDI? How can it be helpful in governance?
 - Explain the Followings (i) Firewall (ii) Cryptography (iii) Copyright & Patent
- 6. Attempt any one part of the following:** **10 x 1 = 10**
- Describe Software License & Semiconductor Law in detail.
 - Explain E-Cash. How is it useful in public domain?
- 7. Attempt any one part of the following:** **10 x 1 = 10**
- Explain
 - Define the Followings (i) CCTV (ii) Intrusion Detection System (iii) E-mail Viruses