

B. TECH.
(SEM-VI) THEORY EXAMINATION 2018-19
CYBER SECURITY

*Time: 3 Hours**Total Marks: 70***Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief.** **2 x 7 = 14**
- a. Define Copyright Act.
 - b. Explain IT asset.
 - c. Explain Digital Signature
 - d. Explain disposal of Data.
 - e. Define Cryptography
 - f. Explain Firewall.
 - g. Explain Worm.

SECTION B

- 2. Attempt any three of the following:** **7 x 3 = 21**
- a. Elaborate the difference between security and threats and explain web security.
 - b. Elaborate the term access control. Explain the all types of controls.
 - c. What is included in authorization process for File & Program Data rights
 - d. What is the information security? Explain cyber-crime and cyber security in this reference.
 - e. Explain various Security policies and their review process.

SECTION C

- 3. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Draw the diagrammatical approach to make difference between symmetric and asymmetric cryptography.
 - (b) How can you say that intrusion detection system is the backbone of information system? Justify along with its categories.
- 4. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Define Intellectual Property with suitable Example.
 - (b) Explain the need of Risk Management. Explain the process for risk management for secure Information system.
- 5. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Explain the followings (i) E-Commerce (ii) Smart Card
 - (b) Explain Information Security with Cybercrime & cyber security.
- 6. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Explain Information system resource and activities in detail.
 - (b) Brief Corporate security with suitable example.
- 7. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Explain the security threats for E-Commerce in detail.
 - (b) Explain the followings (i) Macro Virus (ii) Spoofs (iii) E-mail Security