G10

B. Tech. EXAMINATION, 2020

(Seventh Semester)

(B Scheme) (Re-appear Only)

CYBER SECURITY

IT413B

(Common for All Branches)

Time : 3 Hours]   [*Maximum Marks :* 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What is Cyber Crime ? Why we need Cyber Laws ? Explain the Digital Signature and Indian IT Act in detail.   **15**

2. Explain the following :

   (a) Cloud Computing Security

   (b) Botnets

   (c) Cyber stalking.   **15**

Unit II

3. What is Phishing ? Explain attacks on Wireless networks. Also explain the process of steganography. **15**

4. What are the mobile and wireless security challenges ? Explain authentication service security and registry settings for mobile devices. **15**

Unit III

5. What is Digital Forensic and its life-cycle ? Also explain digital evidences and forensic analysis of e-Mail. **15**

6. (a) Explain the relevance of the OSI layer model to Computer Forensic.

   (b) What is the concept of Anti-forensic ? Explain. **15**

Unit IV

7. What is Social Media Marketing and Social Computing ? Also explain the associated challenges for organizations. **15**

8. What are Safe Computing Guidelines and Computer Usage Policies ? Also explain incident handling and forensics best practice. **15**