

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– V • EXAMINATION – WINTER • 2015

Subject Code: 650008**Date: 08/12/2015****Subject Name: Cyber Security and Forensics****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define the following terms
Sabotage, Cyberpunk, Bluesnarfing , Spamming [07]
(b) What are the different Attacks launched with attack Vector. Explain [07]
- Q.2** (a) How do we classify cybercrime? Explain each one of them in brief. [07]
(b) Elucidate the Social Engineering and related threats. [07]
- OR**
- (b) Enlighten the Botnet with Diagram. [07]
- Q.3** (a) Define Mobile Attacks. Illuminate various possible attacks on 3G mobile or smart phones. [07]
(b) Explain Cloud Computing and Cybercrime. [07]
- OR**
- Q.3** (a) Which are common attacks that have emerged as Bluetooth security issues? [07]
(b) Define Blind SQL Injection. What kinds of measurement should be taken care by an organization to prevent it [07]
- Q.4** (a) Explain various categories of Virus based on attacks on elements of the system. [07]
(b) Differentiate: Proxy Server Vs Anonymizer in detail with example [07]
- OR**
- Q.4** (a) Elucidate the Identity Theft in detail with example. [07]
(b) Define various key points on punishment for cybercriminals. [07]
- Q.5** (a) What is Digital Forensic Investigation? Explicate the complexity and quantity problems faced in Digital Forensic Investigation. [07]
(b) Explain the major amendments to the Indian IT Act in ITA 2008. [07]
- OR**
- Q.5** (a) Which are the phases in computer forensics? Explain each in detail. [07]
(b) Describe various cellphone communication standards; also highlight the key organizational guidelines associated with it. [07]
