

Seat No.: _____

Enrolment No. _____

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]
