

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA- Vth SEMESTER-EXAMINATION – JUNE - 2012

Subject code: 650008

Date: 14/06/2012

Subject Name: Cyber Security & Forensics (CSF)

Time: 02:30 pm – 05:00 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
- | | |
|---------------------|----|
| I. Steganalysis | 02 |
| II. Zero day attack | 02 |
| III. Anonymizers | 02 |
| IV. Salami Attack | 01 |
- (b) Explain the Following
- | | |
|---|----|
| I. How do viruses get disseminated | 04 |
| II. Cyber crime associated with cloud computing | 03 |
- Q.2** (a) Explain Mishing and Smishing with examples. 07
- (b) Which kind of cybercrime may happen in Cybercafes? Which type of safety precautions needs to be taken by the owners of cybercafe to prevent cyber crimes? 07
- OR**
- (b) What is Social Engineering? Explain the classification of Social Engineering? 07
- Q.3** (a) What kinds of attacks are possible on Mobile phones? Explain in detail. 07
- (b) What are the different phases of attacks on the network? 07
- OR**
- Q.3** (a) What is Vishing Attack? Explain the procedure to get protected from vishing attack. 07
- (b) Elaborate different techniques for Identity Theft? 07
- Q.4** (a) What are DOS and DDOS attacks? Explain how to get out of it? 07
- (b) Explain the prominent features of the Indian IT Act – 2000. 07
- OR**
- Q.4** (a) Highlight the impact of IT Act Amendments on IT Organizations. 07
- (b) Which are the security implications for an organization from the mobile devices? 07
- Q.5** (a) What are the weak areas of the ITA 2000? What amendments have been introduced against it in ITA 2008? 07
- (b) Elucidate the Forensics Auditing with proper example. 07
- OR**
- Q.5** (a) Give explanation on the Legal Challenges in Computer Forensics and Data Privacy. 07
- (b) Explicate Cyber Forensics toolkits for Hand-Held Devices. 07
