

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER-V • EXAMINATION – SUMMER • 2014****Subject Code: 650008****Date: 30-05-2014****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)** Explain Following terms: **07**
1. Cyber Defamation
 2. Data Diddling
 3. Web Jacking
 4. Software Piracy
 5. E-Mail Bombing
 6. Password Sniffing
 7. Computer Sabotage
- (b)** Explain phases involved in planning cybercrime. **07**
- Q.2 (a)** What kinds of attacks are possible on mobile cell phone? Explain with example. **07**
- (b)** What kind of cyber security measures an organization should have to take in case of portable storage devices? Prepare the security guidelines which can be implemented in an organization. **07**
- OR**
- (b)** Write traditional and modern techniques of credit card fraud. **07**
- Q.3 (a)** What is “Backdoor”? Write any five functions of “Backdoor”. **07**
- (b)** (i) Explain any two techniques each for human-base ID Theft and computer-based ID Theft. **04**
- (ii) List forensic techniques utilized for iphones. **03**
- OR**
- Q.3 (a)** What are different ways of password cracking? **07**
- (b)** (i) What is Spear Phishing? Explain with example. **04**
- (ii) Write any three tools for hand held device forensics. **03**
- Q.4 (a)** What is steganography? Write difference between steganography and cryptography. **07**
- (b)** Write salient features of Indian IT Act. **07**
- OR**
- Q.4 (a)** What is Blind SQL injection attack? Can it be prevented? **07**
- (b)** Write amendments to the Indian IT Act. **07**
- Q.5 (a)** Explain forensics Auditing. **07**
- (b)** What are “rootkits”? Why are they dangerous? How do rootkits help cyber attackers? **07**
- OR**
- Q.5 (a)** Explain technical and legal challenges in computer forensics and data privacy. **07**
- (b)** Explain with diagram Digital Forensics Life Cycle. **07**
