

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED – SEMESTER VIII- EXAMINATION –SUMMER-2025

Subject Code: 2688607

Date: 13/06/2025

Subject Name: Cyber Forensic

Time:10:30 AM TO 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1 (a) Explain the followings: 07**
1. Malware
 2. Ransom ware
 3. Phishing
 4. DOS Attack
 5. Antivirus
 6. Trojan
 7. Spyware
- (b) What is attack? Explain different types of attacks in detail. 07**
- Q.2 (a) What is Social Engineering? How it's done explain with example. 07**
- (b) Write a short note on: I2P and TOR network. 07**
- OR**
- (b) Explain VPN and Proxy server with diagram. 07**
- Q.3 (a) What is Web browser privacy configuration? Explain with example. 07**
- (b) What is Cryptography? Explain different cryptographic functions. 07**
- OR**
- Q.3 (a) Write a note on cryptography key pair generation using gpg4win along with the step of installation. 07**
- (b) Explain Cryptographic Systems Trust Models in details. 07**
- Q.4 (a) What is Digital Forensics? Write down different phases of digital forensics. 07**
- (b) Explain Blocking and Non-Blocking Socket I/O 07**
- OR**
- Q.4 (a) Write a short note on Mobile Forensics. 07**
- (b) Explain Brute Force FTP. 07**
- Q.5 (a) Write a short note on EDRM Model. 07**
- (b) Explain E-Mail Investigation and E-Mail Recovery 07**
- OR**
- Q.5 (a) Write a short note on Digital Signature. 07**
- (b) Explain the following: 07**
- 1) White collar crimes
 - 2) Mail Bombs
 - 3) Software Piracy