

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED – SEMESTER VIII- EXAMINATION –WINTER-2025

Subject Code: 2688607

Date: 24/11/2025

Subject Name: Cyber Forensic

Time:02:30 PM TO 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

Q. 1 (a) What is Attacks? Explain the Types of Attacks **07**

(b) Discuss following Term: **07**

1. Virus
2. Worms.
3. Trozan

Q. 2 (a) What is the use of VPN server? Explain in detail with example? **07**

(b) Write a short note: Physical Security Threads. **07**

OR

Q. 2 (b) What is network forensics explain in detail? **07**

Q. 3 (a) What is Cryptography? Explain Encryption procedure with example **07**

(b) Discuss challenges forensics of digital images explain with examples. **07**

OR

Q. 3 (a) Explain Cryptographic Systems Trust Models. **07**

(b) Difference between Digital Signatures and Electronic Signatures **07**

Q. 4 (a) Explain mobile forensics in details **07**

(b) Explain Blocking and Non-Blocking Socket I/O. **07**

OR

Q. 4 (a) Write a short note on: Brute-Force FTP. **07**

(b) Write short note on cloud forensics **07**

Q. 5 (a) What Search Engine? How to allow search anonymous? **07**

(b) Explain E-Mail Tracking and E-Mail Recovery.

07

OR

Q. 5 **(a)** Write a short note on: EDRM Model.

07

(b) Explain the following terms:

07

1. Unauthorized Access.

2. IP Tracking

3. Mail Bombs.
