

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VIII- EXAMINATION –WINTER-2023

Subject Code:2688607**Date: 16/12/2023****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)** What is social engineering explain in detail and with example? **07**
- Q.2 (a)** Explain the followings: **07**
1. Malware
 2. Antivirus
 3. Trojan
- (b)** What is the use of VPN server? Explain in detail with example? **07**
- OR**
- (b)** What is network forensics explain in detail? **07**
- Q.3 (a)** What is cryptographic? Explain functions in detail . **07**
- (b)** Discuss challenges forensics of digital images explain with examples. **07**
- OR**
- Q.3 (a)** What is encryption method explain with suitable diagram. **07**
- (b)** How to secure encryption of cloud storage. **07**
- Q.4 (a)** Write short note on mobile forensics. **07**
- (b)** Give Difference Between Digital Signatures and Electronic Signatures. **07**
- OR**
- Q.4 (a)** Write short note on cloud forensics. **07**
- (b)** Write short note on EDRM Model. **07**
- Q.5 (a)** What Search Engine? How to allow search anonymous? **07**
- (b)** Explain the followings: **07**
1. E-Mail Tracking
 2. IP Tracking
- OR**
- Q.5 (a)** What is Viruses? Explain its any three types of viruses with suitable example. **07**
- (b)** 1. What is difference between Hacking and Cracking? **03**
2. What are unauthorized access and its types? **04**