

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED – SEMESTER VII- EXAMINATION –SUMMER-2025

Subject Code: 2678603
Subject Name: Cyber Security
Time:02:30 PM TO 05:00 PM
Instructions:

Date: 03/06/2025

Total Marks: 70

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) Write difference between** **07**
- a) darknet and deep web?
 - b) Tunnelling Techniques and Fraud Techniques
- (b) What is the Cyber security? Explain types of Cyber security threats.** **07**
- Q.2 (a) Define the following in brief: (any three)** **07**
- a) Cyberspace
 - b) Vulnerabilities
 - c) Cybercrime
 - d) Cyberbullying
- (b) What is cyberspace intrusion? Explain the types of cyberspace with example.** **07**
- OR**
- (b) Explain the following terms. (any three)** **07**
- a) Phishing
 - b) Smashing
 - c) Vishing
 - d) Malicious code
- Q.3 (a) Explain Fast-Flux and Advanced Fast-Flux with example.** **07**
- (b) What is SQL Injection? Explain the Examples of SQL Injection.** **07**
- OR**
- Q.3 (a) Explain different between Brute Force and Dictionary Attacks with example.** **07**
- (b) What is DoS Conditions? Explain the Examples of DoS Conditions.** **07**
- Q.4 (a) What is Malicious code? Explain any four Malicious codes.** **07**
- (b) What is Digital Forensics? Explain types of Digital Forensics.** **07**
- OR**
- Q.4 (a) Explain evading detection and elevating privileges in cyber security.** **07**
- (b) What is cybercrime? Explain types of cybercrime.** **07**
- Q.5 (a) What is host based forensics? Explain the role of linux in forensic.** **07**
- (b) Write short note on The Sleuth Kit and Hashing.** **07**
- OR**
- Q.5 (a) What is a Windows file system? Explain two types of Windows file systems** **07**
- (b) Write short note on Forensic Imaging with its types.** **07**
