

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII- EXAMINATION –SUMMER-2022

Subject Code: 2678603**Date: 03/06/2022****Subject Name: Cyber Security****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.

- Q.1 (a)** Explain the followings: **07**
1. Antivirus
 2. Phishing
 3. Hacker
 4. Smashing
 5. Vishing
 6. Email spoofing
 7. Hashing
- (b)** What is cyber security? Explain the importance of cyber security **07**
- Q.2 (a)** Explain website Vulnerabilities in detail **07**
- (b)** Explain passive attacks and active attacks with respect to cyber criminals? **07**
- OR**
- (b)** Define the Cyber Crime in your own word. Explain the different type of classification of Cyber Crime **07**
- Q.3 (a)** what is email spam. Explain types of email spam. **07**
- (b)** What is the deep Web? Explain types of deep web. **07**
- OR**
- Q.3 (a)** What is the cyberspace? Explain security challenges in cyberspace. **07**
- (b)1.** How Attackers Use Proxies **03**
2. Explain DOS attack **04**
- Q.4 (a)** Explain hacker and cracker with example **07**
- (b)** Explain SQL Injection in detail. **07**
- OR**
- Q.4 (a)** 1. What is Malicious code Explain Self –Replicating Malicious Code **03**
2. Explain Botnets and Fast-Flux **04**
- (b)** 1. Discuss Buffer Overflows and Threat Infrastructure **04**
2. Define the term: 1. Brute Force 2. Dictionary Attacks **03**
- Q.5 (a)** 1. Explain Disk and file System Analysis tools **04**
- 2.Explain Ethical hacking **03**
- (b)** Explain Cryptocurrency and Darknets in detail. **07**
- OR**
- Q.5 (a)** What is the main goal of forensic analysis? Explain its types **07**
- (b)** Explain Digital Forensics Process in detail **07**