

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII- EXAMINATION –SUMMER-2024

Subject Code: 2678603

Date: 14/05/2024

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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

Q. 1 (a) What is cyber security? Explain Importance in cyber Security. **07**

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

1. Cyberbullying.
2. Phishing.

Q. 2 (a) What is the cyberspace? Explain security challenges in cyberspace. **07**

(b) Explain how Attackers used Tunnelling Techniques and Fraud Techniques for Attack. **07**

OR

(b) Explain Mobile Malicious Code in detail. **07**

Q. 3 (a) Explain Botnets with suitable example. **07**

(b) What is the need of security in mobile computing? Explain private step. **07**

OR

(a) Explain SQL Injection for Cyber Security. **07**

(b) What is Race Conditions? Explain the Examples of Race Conditions. **07**

Q. 4 (a) Discuss Dark Web Presence by Terrorist. **07**

(b) Explain Disk and File System Analysis using windows. **07**

OR

(a) What is Digital Forensics? Goals of Digital Forensic Analysis. **07**

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

1. Hashing.
2. Event Logs.

- Q. 5** (a) Explain Redundant Array of Inexpensive Disks. **07**
(b) Write a short note on: **07**
1. Brute Force.
 2. Windows File Systems.

OR

- Q. 5** (a) Explain Elevating Privileges and Registry of Windows. **07**
(b) Write a short note on: **07**
1. FAT
 2. NTFS

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