

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

Subject Code:2678603**Date: 06/12/2023****Subject Name: Cyber Security****Time: 10:30 AM TO 01:00 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? Discuss Vulnerabilities of the Internet. **07**
(b) Discuss following Term: **07**

1. World Wide Web.
2. Cybercrime.

- Q.2** (a) Discuss Types of Antivirus Software and Deep Web. **07**
(b) Explain how Attackers used Tunnelling Techniques and Fraud Techniques for Attack. **07**

OR

- (b) Explain Smashing and Vishing Attackers Techniques also discuss Differences between them. **07**

- Q.3** (a) Discuss short note on Botnets. **07**
(b) Explain Integer Overflow Vulnerabilities. **07**

OR

- Q.3** (a) Explain Malicious PDF Files also Discuss how Creating Malicious PDF Files. **07**
(b) What is Race Conditions? Explain the Examples of Race Conditions. **07**

- Q.4** (a) Give the details of: Web Exploit Tools. **07**
(b) Explain Worms and Viruses for Malicious Code. **07**

OR

- Q.4** (a) Discuss Dark Web Presence by Terrorist. **07**
(b) What is Digital Forensics? Goals of Digital Forensic Analysis. **07**

- Q.5** (a) Discuss how host windows for forensics Platform. **07**
(b) Explain file System Abstraction Model. **07**

OR

- Q.5** (a) Explain Redundant Array of Inexpensive Disks. **07**
(b) Short note on following Windows file System: **07**

1. FAT
2. NTFS