

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VIII - EXAMINATION –SUMMER-2021

Subject Code: 4480608

Date: 06-08-2021

Subject Name: Cyber Security & Forensics

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.

- Q.1 (a)** Explain the following the terms: **07**
1. Buffer Overflow
 2. Internet Time Theft
 3. Chain of custody
 4. Phishing
 5. Cyber Defamation
 6. Hacking
 7. Password Sniffing
- (b)** Explain classification of cybercrimes with example. **07**
- Q.2 (a)** Explain attack vector and cloud computing. **07**
- (b)** What kind of cyber security measures an organization should have to take in case of portable storage devices? Prepare security guidelines for organization. **07**
- OR
- (b)** Explain RAS security for mobile devices in detail. **07**
- Q.3 (a)** List and explain traditional techniques of attacks on wireless networks. **07**
- (b)** Explain most frequent methods used by the phishers. **07**
- OR
- Q.3 (a)** Explain Virus and worms, Trojan Horses and Backdoors. **07**
- (b)** Explain the need for cyber laws in India. **07**
- Q.4 (a)** Explain the punishments given with respect to cybercrime in India. **07**
- (b)** What are different types of Identify Theft? **07**
- OR
- Q.4 (a)** Explain weak Areas of the ITA 2000. **07**
- (b)** Explain proxy servers and anonymizer **07**
- Q.5 (a)** Explain Forensics Auditing and Anti forensics. **07**
- (b)** What is computer Forensics? Discuss challenges in Computer Forensics. **07**
- OR
- Q.5 (a)** Explain the following terms: **07**
- a. Cell Seizure
 - b. Forensics Card Reader
- (b)** Compare digital forensics and Network forensics. **07**