

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA– SEMESTER - IV-EXAMINATION- SUMMER-2023

Subject Code: 4549251**Date: 26/06/2023****Subject Name: Cyber Security and Information Technology Governance****Time: 10:30 AM TO 01:30 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** Define following terms briefly: **14**
- (a) Online Frauds
 - (b) Salami attack
 - (c) Software Piracy
 - (d) Cloud Computing
 - (e) Computer Network Intrusions
 - (f) Spam
 - (g) Industrial Spying
- Q.2** (a) What is Cybercrime? Explain in details the needs of Cyber Laws. **07**
- (b) Explain in details Indian Perspectives towards Cyber Crime. **07**
- OR**
- Q.2** (b) What is “Cyberstalking”? Explain how it works. **07**
- Q.3** (a) How Criminal Plans the Attack: Active Attacks, Passive Attacks? Explain in detail. **07**
- (b) What is “Policy”? Explain organizational policy for computer usage. **07**
- OR**
- Q.3** (a) What is Credit card Frauds in Mobile and wireless devices and how can we prevent such frauds? Explain. **07**
- (b) Short note on: Counter measures against Identity Theft **07**
- Q.4** (a) What is “Phishing”? Explain Methods and Techniques of Phishing. **07**
- (b) What are various entities need to be influenced before successful implementation of IT Governance? Explain. **07**
- OR**
- Q.4** (a) What is Cyber Security? Why it is required now a days? Discuss. **07**
- (b) What is IT Governance? Elaborate Importance and benefits of it. **07**

Q.5 Discuss the given case study with answers of following questions.

Pune Citibank Mphasis Call Center Fraud

Some ex-employees of BPO arm of Mphasis Ltd Msource defrauded US Customers of Citibank to the tune of Rs 1.5 crores. It was one of those cyber crime cases that raised concerns of many kinds including the role of "Data Protection".

The crime was obviously committed using "Unauthorized Access" to the "Electronic Account Space" of the customers. It is therefore firmly within the domain of "Cyber Crimes".

ITA-2000 is versatile enough to accommodate the aspects of crime not covered by ITA-2000 but covered by other statutes since any IPC offence committed with the use of "Electronic Documents" can be considered as a crime with the use of a "Written Documents". "Cheating", "Conspiracy", "Breach of Trust", etc. are therefore applicable in the above case in addition to the section in ITA-2000.

Under ITA-2000 the offence is recognized both under Section 66 and Section 43. Accordingly, the persons involved are liable for imprisonment and fine as well as a liability to pay damages to the victims to the maximum extent of Rs 1 crore per victim for which the "Adjudication Process" can be invoked.

Questions:

- a. How Criminals plan the Cyber Offenses? (7)
- b. What precautions one should take to prevent Unauthorized Access? Explain. (7)

OR

- c. What is Cyber Stalking? Explain Different types of Stalkers. (7)
- d. Why in this contemporary era organizations need Authentication Service Security? Explain in details. (7)
