

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA – SEMESTER 3 – EXAMINATION – SUMMER 2019

Subject Code: 3539254**Date: 11/05/2019****Subject Name: Cyber Security and IT Governance****Time: 02.30 PM TO 05.30 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 Explain the terms**14**

- (a) Spamming
- (b) Web jacking
- (c) Social Media Marketing
- (d) Botnets
- (e) Cyber stalking
- (f) Email bombing
- (g) Malware

Q.2 (a) Clarify the concept of cyber crime. Briefly discuss the classification of cyber-crimes. **7**
 (b) What are the main survival mantras for Netizens? **7**

OR

(b) Prepare a note on typical modus operandi of an attack by cyber criminals. **7**

Q.3 (a) How do fraudsters do credit card frauds in Mobile? **7**
 (b) Explain cyber crime and cloud computing. **7**

OR

Q.3 (a) Elaborate phishing. Briefly explain methods of phishing. **7**
 (b) Explain the main counter measures of phishing. **7**

Q.4 (a) Prepare a note on cyber crime scenario in India. **7**
 (b) Define social engineering. What are the classifications of social engineering? **7**

OR

Q.4 (a) Briefly explain roles and responsibilities of IT Manager for curbing cyber crimes. **7**
 (b) What are the essential components of cyber security? **7**

Q.5 Case study

Sony India Private Ltd, which runs a website called www.sony-sambandh.com, targeting Non Resident Indians. The website enables NRIs to send Sony products to their friends and relatives in India after they pay for it online.

The company undertakes to deliver the products to the concerned recipients. In May 2002, someone logged onto the website under the identity of Barbara Campa and ordered a Sony Color Television set and a cordless head phone. She gave her credit card number for payment and requested that the products be delivered to Arif Azim in Delhi-

Noida. The payment was duly cleared by the credit card agency and the transaction processed. After following the relevant procedures of due diligence and checking, the company delivered the items to Arif Azim.

At the time of delivery, the company took digital photographs showing the delivery being accepted by Arif Azim. The transaction closed at that, but after one and a half months the credit card agency informed the company that this was an unauthorized transaction as the real owner had denied having made the purchase.

The company lodged a complaint for online cheating at the Central Bureau of Investigation which registered a case under Section 418, 419 and 420 of the Indian Penal Code. The matter was investigated into and Arif Azim was arrested. Investigations revealed that Arif Azim, while working at a call centre in Noida gained access to the credit card number of an American national which he misused on the company's site.

The CBI recovered the color television and the cordless head phone. In this matter, the CBI had evidence to prove their case and so the accused admitted his guilt. The court convicted Arif Azim under Section 418, 419 and 420 of the Indian Penal Code - this being the first time that a cybercrime has been convicted.

The court, however, felt that as the accused was a young boy of 24 years and a first-time convict, a lenient view needed to be taken. The court therefore released the accused on probation for one year. The judgment is of immense significance for the entire nation. Besides being the first conviction in a cybercrime matter, it has shown that the Indian Penal Code can be effectively applied to certain categories of cyber crimes which are not covered under the Information Technology Act 2000. Secondly, a judgment of this sort sends out a clear message to all that the law cannot be taken for a ride.

Answer the following questions.

- (a) What do you suggest to Sony India Private Limited to minimize the incident of cyber fraud? **7**
- (b) Write your views on process of authentication of potential customers before placing an order on line. **7**

OR

- (a) Analyze the case in the light of current scenario of cyber crime in India. **7**
- (b) Highlight an important role of cyber security in India. **7**
