

GUJARAT TECHNOLOGICAL UNIVERSITY
ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

Subject Code: 2725602**Date: 25/05/2016****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.

- Q.1** (a) What is virus? Explain different types of virus? **07**
(b) Explain cyber crime against individual and against organization? **07**
- Q.2** (a) Explain Digital Forensic Life Cycle? **07**
(b) Explain chain of custody concept? **07**
- OR**
- (b) Explain Buffer overflow attack? Explain types of buffer overflow attack? **07**
- Q.3** (a) Explain File Carving with Tools. **07**
(b) Explain click fraud Technique? **07**
- OR**
- Q.3** (a) Explain following fraud techniques: **07**
Phishing, vishing, mishing, Rogue Antivirus
(b) Explain RSA encryption and decryption? **07**
- Q.4** (a) What do you mean by obfuscation? Explain obfuscation techniques? **07**
(b) Explain Public key encryption scheme? Compare it with symmetric key encryption technique? **07**
- OR**
- Q.4** (a) What is Firewall? compare packet filtering firewall, stateful firewall, application gateway firewall? **07**
(b) Explain how can we achieve following using public key encryption technique:- **07**
a) only authentication
b) only confidentiality
c) both confidentiality and authentication
- Q.5** (a) Write a short note on “Cyber Governance Issues” **07**
(b) What are challenges to Indian Law and Cybercrime Scenario in India? **07**
- OR**
- Q.5** (a) Write a short note on “Cyber User Issues” **07**
(b) Write a short note on Intrusion Detection System. **07**
