

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER • 2016

Subject Code: 2270006**Date: 29-11-2016****Subject Name: Cyber Security****Time: 10:30 am - 01:30 pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the following terms: **06**
1. DOS attack
2. SQL Injection
3. Trojan
- (b) Write a short note on cybercrimes. **05**
(c) Write a short note on cyber security. **05**
- Q.2** (a) How a firewall protects a network. **06**
(b) Write a short note on Patent law. **05**
(c) What is Firewall? Discuss different types of firewall in detail. **05**
- Q.3** (a) Write a note on security challenges posed by mobile devices. **06**
(b) Enumerate various types of security services and explain any two of them in detail. **05**
(c) Write down different security measures in organization for handling mobile devices **05**
- Q.4** (a) Write a short note on Cyber stalking. **06**
(b) How do recognizing and defining a computer crime? **05**
(c) Write a short note on cloud computing. **05**
- Q.5** (a) Explain following terms in detail **06**
1. Spamming
2. Buffer overflow
3. Backdoors
- (b) What is steganography? Discuss in detail. **05**
(c) Discuss in brief about digital payment frauds. **05**
- Q. 6** (a) Write a short note on Virtual Private Network. **06**
(b) Write a short note on cloud computing. **05**
(c) Enlist various types of security mechanism. Discuss any two of them in detail. **05**
- Q.7** (a) Explain following terms in detail **06**
1. Keyloggers
2. E-mail bombing
3. Webjacking
- (b) Write difference between Active attack and Passive attack. **05**
(c) Write an overview of security risk in social media. **05**