

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – VII • EXAMINATION – WINTER – 2015

Subject Code: 2270006

Date: 16/12/2015

Subject Name: Cyber Security

Time: 10.30 AM to 1.30 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 VPN architecture and how can we implement firewall with advantages of VPN? **06**
- (b) Write a short note on web security. **05**
- (c) Write a short note on social engineering. **05**
- Q.2** (a) What is Firewall? Discuss different types of firewall in detail. **06**
- (b) Discuss in detail about computer network intrusions. **05**
- (c) Write a short note on social media. **05**
- Q.3** (a) Enumerate various methods of attack on computer network and discuss in detail any two of them. **06**
- (b) Discuss in brief about digital payment frauds. **05**
- (c) Compare Linux and Windows firewall. **05**
- Q.4** (a) Explain following terms in detail : **06**
1. Spyware
 2. Trojan
 3. Virus
- (b) What is steganography? Discuss in detail. **05**
- (c) Discuss briefly attacks on wireless network. **05**
- Q.5** (a) Explain following terms in detail : **06**
1. DOS attack
 2. SQL injection
 3. Buffer overflow
- (b) What is cyber stalking? How cyber stalking works? **05**
- (c) Enlist various types of attack on mobile phones and discuss in detail any two of them. **05**
- Q.6** (a) Write a short on IPR. **06**
- (b) Enumerate various types of security services and explain any two of them in detail. **05**
- (c) Discuss security challenges posed by mobile devices. **05**
- Q.7** (a) Explain cybercrimes and discuss its types. **06**
- (b) Enlist various types of security mechanism. Discuss any two of them in detail. **05**
- (c) Write a short note on cloud computing. **05**
