

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.

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|-------------|------------|--|-----------|
| 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 :
1. Spyware
2. Trojan
3. Virus | 06 |
| | (b) | What is steganography? Discuss in detail. | 05 |
| | (c) | Discuss briefly attacks on wireless network. | 05 |
| Q.5 | (a) | Explain following terms in detail :
1. DOS attack
2. SQL injection
3. Buffer overflow | 06 |
| | (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 |
