Subject: Cyber Security   **Total Time: 2 Hr.**

Subject Code: CP08516T   **Total Marks: 50 marks**

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING   2*8=16

1.1 What is Cyber Security?

1.2 List out the types of attacks.

1.3 How to use firewall to protect your computing device?

1.4 What does a hacker do?

1.5 What is Encryption?

1.6 What are the 3 dimensions of Cybersecurity cube?

1.7 What is Social Engineering?

1.8 List out the sniffing tools.

1.9 What is Steganography?

1.10 Explain about Botnet.

2.0 ANSWER ANY SIX OF THE FOLLOWING   3*6=18

2.1 Explain CIA triad with neat sketch

2.2 What is Dos? Explain

2.3 Explain the following a) Viruses, b) Worms c) Trojan Horses

2.4 Explain the concept of AAA in detail.

2.5 What are the symptoms of Malware?

2.6 Explain about the following: a)ARP spoofing b) DNS spoofing

2.7 Explain the following: a) Telnet, b) SSH, and c) SCP

2.8 Explain about social engineering tactics.

3.0 ANSWER ANY FOUR OF THE FOLLOWING   4*4=16

3.1 Explain the following a) White hat hackers b) Grey hat hackers c) Black hat hackers

3.2 Write the difference between Symmetric and Asymmetric key encryption techniques

3.3 Explain about hash function and digital signature?

3.4 Explain the following

   a)SQL injection   b)Keystroke logging   c)Clone phishing   d)Back door

3.5 What is organizational data, explain the types

3.6 List out the types of firewall explain any 4.