* P B - 0 0 3 - 0 0 4 6 0 3 *

PB-003-004603 Seat No. _____

B. Sc. (Information Technology) (Sem. VI) (CBCS) Examination

March / April – 2020

Network Management & Information Security : Paper - CS - 32

(Old Course)

Faculty Code : 003
Subject Code : 004603

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

1 Attempt following : **20**

1. OSI stands for _____.
2. Full form of TCP/IP.
3. Full form of UDP.
4. Full form of ICMP.
5. Fuj'I form of ARP.
6. Full form of RARP.
7. Full form of DNS.
8. Full form of PPTP.
9. Full form of SNMP.
10. Full form of MIB.
11. Full form of ICMP
12. What is symmetric key ?
13. What is Asymmetric key ?
14. Define Network Attacks.
15. Define IP Spoofing.
16. What is TCP Session Hijacking ?

17. What is Network Scanning ?
18. What is VPN ?
19. What is Firewalls ?
20. What is Cryptography ?

2 (A) Attempt following : (any three) **6**

1. Explain Attributes of Information Security.
2. What is Confidentiality?
3. What is Integrity?
4. What is Availability?
5. Define Denial of Service.
6. What is Malicious Software?

(B) Attempt following (any three) **9**

1. Explain Trap Doors.
2. explain logic Bomb
3. What are viruses?
4. Define Trojan Horses.
5. What is Worms?
6. Explain Buffer Overflow.

(C) Attempt following (any two) **10**

1. Explain Security Strategies & Processes in brief.
2. Explain Importance of Security Policies and Audits.
3. Explain fault mgmt. in network.
4. Explain security mgmt. in network.
5. Explain accounting mgmt. in network.

3 (A) Attempt following : (any three) **6**

1. What is Message Confidentiality ?
2. What is Integrity ?
3. Define Authentication.
4. Explain Sequence Guessing.

5. Explain Teardrop attacks.

6. Explain Password Policy & Discipline.

(B) Attempt following : (any three) **9**

1. Explain Proxy Servers.

2. Explain Smurf Attacks on ISP.

3. How Virus works on Internet.

4. Explain How Cookies work.

5. Explain Requirements for Cryptography.

6. Explain Hellman algorithms.

(C) Attempt following : (any two) **10**

1. Explain Types of Biometric Techniques.

2. Explain OSI Model in brief.

3. Explain Traffic Protocols in brief.

4. Explain SNMP including M1B in brief

5. Explain types of Password Authentication in brief.
