



MAO-003-004603

Seat No. _____

B. Sc. (I.T.) (Sem. VI) (CBCS) Examination

March / April - 2018

**CS-32 : Network Management &
Information Security**

Faculty Code : 003

Subject Code : 004603

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Attempt the Following : 20

- (1) What is full form of SNMP ?
- (2) What is full form of MIB ?
- (3) What is full form of TCP ?
- (4) What is full form of UDP ?
- (5) What is full form of ICMP ?
- (6) What is full form of ARP ?
- (7) What is full form of IKE ?
- (8) What is full form of PPTP ?
- (9) What is full form of L2TP ?
- (10) What is full form of IP ?
- (11) What is full form of IPSEC ?
- (12) What is full form of ISP ?
- (13) What is full form of DNS ?
- (14) What is full form of RARP ?
- (15) What is full form of NMS ?
- (16) What is IP spoofing ?
- (17) What is plain text ?
- (18) What is cipher text ?
- (19) What is full form of VPN ?
- (20) What is full form of OSI ?

- 2** (A) Attempt the following : (Any **Three**) **6**
- (1) Virus
 - (2) Ping
 - (3) Authentication
 - (4) Proxy servers
 - (5) Kerberos
 - (6) Port Scan
- (B) Attempt the following : (Any **Three**) **9**
- (1) Explain buffer overflow.
 - (2) Explain encryption and decryption algorithms.
 - (3) Explain false rejection techniques.
 - (4) Explain digital certificates.
 - (5) Explain VPN.
 - (6) Explain firewall and its working.
- (C) Attempt the following : (Any **Two**) **10**
- (1) Explain OSI Layers.
 - (2) Describe attributes of information security.
 - (3) Write a note on types of biometric authentications.
 - (4) Write a note on network management system.
 - (5) Explain message confidentiality with symmetric key.
- 3** (A) Attempt the following : (Any **Three**) **6**
- (1) Write a note on impersonation.
 - (2) Explain trap doors.
 - (3) Describe logic bomb.
 - (4) Explain IP spoofing.
 - (5) Describe dictionary attack.
 - (6) Write a note on web tracking.

(B) Attempt the following : (Any **Three**) **9**

- (1) Explain cross over error rates.
- (2) Explain false acceptance techniques.
- (3) Explain network security policies and audits.
- (4) Describe single sign on.
- (5) Explain tunneling.
- (6) Explain SYN flood.

(C) Attempt the following : (Any **Two**) **10**

- (1) Explain RSA algorithm.
- (2) Describe cookies.
- (3) Explain denial of service attack.
- (4) Explain asymmetric key cryptograph and its algorithm.
- (5) Write a detailed note on network management system.
