



BBC-003-004603

Seat No. _____

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

July – 2021

CS-32 : Network Management & Information Security

Faculty Code : 003

Subject Code : 004603

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

[Total Marks : 70

1 Answer the following : 20

- (1) How many layers are present in the TCP/IP Reference model?
- (2) _____ is a member of the Internet layer.
- (3) An HTTP connection uses port _____ whereas HTTPS uses port _____ and invokes SSL.
- (4) What is a Network?
- (5) What is IP?
- (6) Full form of RARP.
- (7) What is Information Security?
- (8) What is proxy server?
- (9) Full form of RAS.
- (10) What is NTP?
- (11) Use of SNMP.
- (12) Use of passwords.
- (13) What is brute force?
- (14) How many types of Attacks?
- (15) L2TP stands for _____
- (16) MIB stands for _____
- (17) What is Biometrics?
- (18) Full form of ICMP.
- (19) Full form of UDP.
- (20) Full form of TCP/IP.

- 2** (A) Answer Any **Three** out of Six : (answers in brief) **6**
- (1) Difference between ARP and RARP.
 - (2) List the different layers under TCP/IP?
 - (3) How viruses work internet?
 - (4) Explain Password Policy.
 - (5) Explain Cross Over Error Rates.
 - (6) Explain Firewalls.
- (B) Answer Any **Three** out of Six : (answer in detail) **9**
- (1) Explain Plain Text.
 - (2) Explain integrity.
 - (3) Explain Trojan Horses.
 - (4) Use of Land
 - (5) Difference between Symmetric Key and Asymmetric Key.
 - (6) Use of IKE.
- (C) Answer Any **Two** out of Five : (write notes on) **10**
- (1) Explain Type of Biometric Techniques.
 - (2) Explain Proxy Server Type.
 - (3) Explain Smurf Attacks on ISP.
 - (4) Explain Private Network Technology.
 - (5) Explain Security Services.
- 3** (A) Answer Any **Three** out of Seven : (answer in brief) **6**
- (1) Difference between Passports and web tracking?
 - (2) Explain Traffic Protocols.
 - (3) List the different Cryptography.
 - (4) Explain TCP Sweepers.
 - (5) Explain Configuration MGMT.
 - (6) Explain Brute Force.
 - (7) Explain OSI Model.

- (B) Answer Any **Three** out of Six : (answers in detail) **9**
- (1) Explain Use of Reference Model.
 - (2) Explain Interaction and Remote Control.
 - (3) Explain Authentication.
 - (4) Explain Ping.
 - (5) Explain ICMP.
 - (6) Use of DNS.
- (C) Answer Any **Two** out of Five : (write notes on) **10**
- (1) Explain Type of Biometric Techniques.
 - (2) Explain Proxy Server Type.
 - (3) Explain Maximum Transfer Unit.
 - (4) Explain SYN Flood.
 - (5) Explain Network Scanning.
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