DAG-003-1044003   Seat No. _____

B. Sc. (IT) (Sem. IV) Examination

April - 2022

CC-21 : Network Technology and Administration

(Old Course)

Faculty Code : 003
Subject Code : 1044003

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

Instructions : (1) All questions are compulsory.
                   (2) All questions carry equal marks.

1   **(A)**   Answer the following.   **4**
               (1)   MAN stands for _____.
               (2)   FDDI stands for _____.
               (3)   CSMA/CD stands for _____.
               (4)   What is Network?
    (B)   Answer in brief (Any 1 out of 2)   **2**
               (1)   What is LAN?
               (2)   What is MAN ?
    (C)   Answer in brief (Any 1 out of 2)   **3**
               (1)   Explain Mesh Topology.
               (2)   Explain Star Topology.
    (D)   Answer in brief (Any 1 out of 2)   **5**
               (1)   Explain TCP/IP Model.
               (2)   Explain OSI Model.

2   **(A)**   Answer the following.   **4**
               (1)   What is Guided Media?
               (2)   Which switching method reduced traffic congestion?
               (3)   CDM stands for _____.
               (4)   WDM stands for _____.
    (B)   Answer in brief (Any 1 out of 2)   **2**
               (1)   What is Demultiplexing?
               (2)   What is IP Address ?

(C) Answer in brief (Any 1 out of 2)   3
   (1) Explain Packet Switching.
   (2) Explain Message Switching.
(D) Answer in brief (Any 1 out of 2)   5
   (1) Explain Laser and Radiowave in details.
   (2) Explain IPV6.

3 (A) Answer the following.   4
   (1) HTTP stands for _____.
   (2) FTP stands for _____.
   (3) DSL stands for _____.
   (4) ADSL stands for _____.
   (B) Answer in brief (Any 1 out of 2)   2
   (1) What is AppleTalk?
   (2) What is L2CAP ?
   (C) Answer in brief (Any 1 out of 2)   3
   (1) Explain Modem.
   (2) Explain LAN Card.
   (D) Answer in brief (Any 1 out of 2)   5
   (1) Explain Brouter and Router.
   (2) Explain RFCOMM.

4 (A) Answer the following.   4
   (1) RIP stands for _____.
   (2) IGRP stands for _____.
   (3) BGP stands for _____.
   (4) MMC stands for _____.
   (B) Answer in brief (Any 1 out of 2)   2
   (1) What is Logging Events?
   (2) What is Default Routing ?
   (C) Answer in brief (Any 1 out of 2)   3
   (1) Explain Exterior Routing Protocol.
   (2) Explain BGP.
   (D) Answer in brief (Any 1 out of 2)   5
   (1) Explain Link State Routing.
   (2) Explain Interior Routing Protocol.

5 (A) Answer the following. **4**

        (1) PPTP stands for _____.

        (2) GPS stands for _____.

        (3) VPN stands for _____.

        (4) CCTV stands for _____.

   (B) Answer in brief (Any 1 out of 2) **2**

        (1) What is Encryption?

        (2) What is Authentication ?

   (C) Answer in brief (Any 1 out of 2) **3**

        (1) Explain Dial up Technology.

        (2) Explain CCTV.

   (D) Answer in brief (Any 1 out of 2) **5**

        (1) Explain Types of VPN.

        (2) Explain Proxy Server and its types.

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