MBO-003-0072002   Seat No. _____

M. C. A. (Sem. II) (CBCS) Examination

April / May - 2018

P-2020 : Computer Network

(New Course)

Faculty Code : 003
Subject Code : 0072002

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

1   (a)   Objective type questions :   **4**

   (1)   NIC stands for _____.

   (2)   Write the full form of WAP.

   (3)   Full form of WAN.

   (4)   P2P network means _____.

   (b)   Answer the following : (any **one**)   **2**

   (1)   What is Throughput ?

   (2)   Definition : frequency in network term.

   (c)   Attempt the following : (any **one**)   **3**

   (1)   Explain bit rate.

   (2)   Write a Analog and Digital Signal in detail.

   (d)   Answer in brief : (any **one**)   **5**

   (1)   Write a note on Network Services.

   (2)   Write a note on Client/Server Configuration.

2   (a)   Objective type questions :   **4**

   (1)   OSI Stands for _____.

   (2)   How many layers are available in OSI model?

   (3)   Is IE801 Networking standard or not?

   (4)   _____ top Layer of OSI model.

(b) Answer the following : (any **one**)   **2**

    (1) What is OSI Presentation Layer?

    (2) Explain OSI Physical Layer.

(c) Answer in detail : (any **one**)   **3**

    (1) Explain Protocol Stacks in detail.

    (2) Explain OSI Session Layer in detail.

(d) Answer in brief : (any **one**)   **5**

    (1) Write a note IEEE802.

    (2) Explain OSI rules and Communication Process.

3 (a) Objective type questions: **4**

    (1) TDM stands for _____

    (2) Write a full form of TDMA.

    (3) UTP stands for _____.

    (4) Full Form STP is _____.

(b) Answer in brief : (any **one**)   **2**

    (1) What is Bandwidth?

    (2) Explain Fiber Optical Cable.

(c) Answer in detail : (any **one**)   **3**

    (1) Explain Wireless Media in detail.

    (2) Differentiate Wireless Communication with LAN.

(d) Answer the following : (any **one**)   **5**

    (1) Write a note on TDMA.

    (2) Write Characteristics of Transmission Media.

4 (a) Objective type questions :   4

(1) A _____ is a network topology in which nodes are directly connected to a common linear.

(2) _____ is a network topology where each individual piece of a network is attached to a central node.

(3) Is BOX Network topology or not?

(4) _____ is full form of Modem.

(b) Answer in brief : (any **one**)   2

(1) What is Gateways?

(2) What is Bridges?

(c) Answer in detail : (any **one**)   3

(1) Explain Asynchronous Transmission in detail.

(2) Write a note on Coaxial Cable.

(d) Answer the following : (any **one**)   5

(1) Write a note on Mesh Topology.

(2) Explain Connection Polling.

5 (a) Objective type questions: 4

(1) _____ is full form of TCP.

(2) Full form of IP is _____.

(3) Network Port Create Connection [Logical or Physical]?

(4) TCP/IP is known as _____ in network.

(b) Answer in brief : (any **one**)   2

(1) What is Message Switching?

(2) Definition: Packet Switching.

(c)   Answer in detail : (any **one**)   **3**

    (1)   Explain Packet Routing.

    (2)   Explain Circuit Switching.

(d)   Answer the following : (any **one**)   **5**

    (1)   Write a note on IP address structure.

    (2)   Difference between Switching and Routing.

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