



Seat No. _____

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) Examination

BCA (2019) SEM-4 - April - 2023

CS-21 NETWORK TECHNOLOGY AND ADMINISTRATION

Faculty Code :003

Subject Code : 003203-4003

Time : 2.5Hours]

[Total Marks : 70

- 1 (a) Attempt the following : 4
- 1 What is Computer Network.
 - 2 What is the Full Form of CDDI.
 - 3 What Is the Full Form of OSI.
 - 4 Which is the First Layer of OSI Reference Model.
- (b) Attempt any one : 2
- 1 What Is Encryption?
 - 2 What is Polling?
- (c) Attempt any one : 3
- 1 What is Topology? Explain Bus Topology.
 - 2 Explain Network Communication Method in detail.
- (d) Attempt any one : 5
- 1 Explain OSI Reference Model.
 - 2 Explain TCP/IP Network Model.
- 2 (a) Attempt the following : 4
- 1 What is Transmission Media?
 - 2 DSL Stands For _____
 - 3 Microwave is Unguided Media (True/False)
 - 4 CDM Stands For _____
- (b) Attempt any one : 2
- 1 What is Bluetooth?
 - 2 What is HUB? List out Types of Hub.

- (c) Attempt any one : 3
- 1 Explain Fiber Optic Cable.
 - 2 Explain BROUTER.
- (d) Attempt any one : 5
- 1 Explain Multiplexing in detail.
 - 2 Explain Switching Technique in Detail.
- 3 (a) Attempt the following : 4
- 1 What is Full Form of SMTP?
 - 2 What is Protocol?
 - 3 RIP Stands For _____
 - 4 OSPF Stands For _____
- (b) Attempt any one : 2
- 1 What is Connection Less Protocol?
 - 2 What is Routing?
- (c) Attempt any one : 3
- 1 Explain IPX/SPX Protocol.
 - 2 Difference between Connection Oriented Protocol V/s Connection Less Protocol.
- (d) Attempt any one : 5
- 1 Write a note on Routing Protocol.
 - 2 Explain Link State Routing Protocol.
- 4 (a) Attempt the following : 4
- 1 What is IP Address?
 - 2 Class D Address is Reserved For _____
 - 3 Which are the Editions of Windows server 2008
 - 4 What is Forest?
- (b) Attempt any one : 2
- 1 What is IPV6?
 - 2 Explain Security and Audit Policy.
- (c) Attempt any one : 3
- 1 Explain various Editions of Windows Server 2008
 - 2 Explain Migration of IPV4 to IPV6.

- (d) Attempt any one : 5
- 1 Explain Class Structure of IPV4.
 - 2 Write steps to Install Windows Server 2008.
- 5 (a) Attempt the following : 4
- 1 What is Network Security?
 - 2 What is Authentication?
 - 3 What is Internet?
 - 4 Give full form of VPN.
- (b) Attempt any one : 2
- 1 What is use of Dial up Connection?
 - 2 What is CIA Model?
- (c) Attempt any one : 3
- 1 Explain Requirement of network Security.
 - 2 What is VPN? Explain Types of VPN.
- (d) Attempt any one : 5
- 1 Explain Fundamental of Network Security.
 - 2 Explain GPS,GPRS, and CCTV in detail.