



MAY-003-00340900

Seat No. _____

B. C. A. (Sem. IV) Examination

March / April - 2018

CS-21 : Network Technology & Administration
(New Course)

Faculty Code : 003

Subject Code : 00340900

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

[Total Marks : 70

- 1 (a) Attempt Following : 4
- (1) Define: Network
 - (2) CDDI stands for _____
 - (3) Encryption secures data. True/False
 - (4) Define: Data Compression.
- (b) Answer in brief : (any 1) 2
- (1) Explain types of network.
 - (2) What is Disk quota? Explain types.
- (c) Answer in detail : (any 1) 3
- (1) Explain CSMA/CD
 - (2) Explain Ring and Star topologies.
- (d) Write a note on : (any 1) 5
- (1) OSI reference Model
 - (2) Explain Network Communication Methods.
- 2 (a) Attempt following : 4
- (1) Write types of Twisted Pair cable?
 - (2) Radio wave is _____ type of media.
 - (3) What is Repeater?
 - (4) TDM stands for

- (b) Answer in brief : (any 1) 2
- (1) What is Transmission media? List out types of transmission media.
 - (2) What is Multiplexing? Write benefits of multiplexing.
- (c) Answer in detail : (any 1) 3
- (1) Explain Devices: Bridge, Switch
 - (2) Explain Switching Techniques
- (d) Write a note on : (any 1) 5
- (1) Crimping of Twisted pair cable (steps)
 - (2) Explain Unguided Media
- 3** (a) Attempt Following : 4
- (1) FTP stands for _____
 - (2) RARP stands for _____
 - (3) What is Protocol?
 - (4) UDP is Connection oriented. True/False
- (b) Answer in brief : (any 1) 2
- (1) Explain connection oriented protocol.
 - (2) What is Routing? Explain types of routing.
- (c) Answer in detail : (any 1) 3
- (1) Explain IPX/SPX
 - (2) Explain AppleTalk and RFCOMM
- (d) Write a note on : (any 1) 5
- (1) Explain IRP
 - (2) Explain TCP/IP Stack
- 4** (a) Attempt Following : 4
- (1) Define: IP Address
 - (2) MMC stands for
 - (3) What is Tree?
 - (4) Full form of MSB

- (b) Answer in brief : (any 1) 2
 (1) Explain types of Accounts in Windows 2008 Server.
 (2) Explain basic structure of IPv6.
- (c) Answer in detail : (any 1) 3
 (1) Explain concept of Domains, Trees and Forests.
 (2) Explain types of logging events.
- (d) Write a note on : (any 1) 5
 (1) Explain IPv4 Class structure
 (2) Write installation steps of Windows 2008 Server
- 5** (a) Attempt Following : 4
 (1) Full form of ISDN
 (2) Full form of CCTV
 (3) What is GPS?
 (4) VPN stands for _____
- (b) Answer in brief : (any 1) 2
 (1) Explain use of Dial-up Technology
 (2) Explain Proxy server
- (c) Answer in detail : (any 1) 3
 (1) Explain types of VPN
 (2) Explain CIA model
- (d) Write a note on : (any 1) 5
 (1) Explain ISDN and Leased Line Technology
 (2) Explain Network Security Methods.
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