

136/S**003-003503****B.C.A. (CBCS) Sem.-V Examination****October-2013****CS-27 : Network Technology and Administration****Faculty Code : 003****Subject Code : 003503****Time : 2½ Hours]****[Total Marks : 70**

1. Attempt the following M.C.Q. 20
- (1) Which UDP Port use Datagram services ?
(a) Port 128 (b) Port 138
(c) Port 148 (d) Port 168
 - (2) Which system use IPX/SPX as a communication protocol ?
(a) Window NT (b) Gateway
(c) Router (d) Novell Netware
 - (3) Peer to peer network don't have a _____.
(a) Database (b) Network
(c) Server (d) Protocol
 - (4) Which of the following items is not used in Local Area Networks (LANs) ?
(a) Computer (b) Modem
(c) Printer (d) Cable
 - (5) The main difference between TCP and IP is
(a) TCP is connection oriented where as IP is connectionless
(b) TCP is an Internet protocol where as IP is an ATM protocol
(c) TCP is a datagram where as IP is a connection oriented serviced
(d) All of the above
 - (6) How many bits address of IPV6 ?
(a) 32 (b) 64
(c) 16 (d) 128
 - (7) Which of the packet switching method ?
(a) Virtual circuit (b) Datagram
(c) Both (a) & (b) (d) None of these

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- (8) In networking, terminology UTP means _____.
- (a) Unshielded Twisted Pair (b) Unshielded T-connection Port
(c) Uniformly Terminating Port (d) Uniformly Transmission Port
- (9) Which of the following IP address class is a Reserved address for future use ?
- (a) Class A (b) Class B
(c) Class C (d) Class E
- (10) What is the decimal first byte of class B ?
- (a) 128 to 191 (b) 192 to 223
(c) 240 to 255 (d) 224 to 239
- (11) Which of the following is required to communicate between two computers ?
- (a) Communications Software (b) Protocol
(c) Communication Hardware (d) All of the above
- (12) Which is not a Network Component ?
- (a) Client (b) Protocol
(c) Server (d) Packet
- (13) Which of the following specifies the network address and host address of the computer ?
- (a) The IP address (b) The TCP address
(c) The subnet mask (d) Controller
- (14) In OSI model, which of the following layer provide error – free delivery of data ?
- (a) Data link (b) Network
(c) Transport (d) Session
- (15) The network topology that support bidirectional links between each possible node is
- (a) Ring (b) Star
(c) Tree (d) Mesh
- (16) Modulation is process of _____.
- (a) Converting digital signal to analog signal
(b) Converting analog signal to digital signal
(c) Sending a file from one computer to another computer
(d) Echoing every charter that is received.
- (17) Packet consists of _____.
- (a) header (b) data
(c) trailer (d) all of these

- (18) Network interface card is also known as _____.
- (a) Network Application Card
 - (b) Network Adapter Card
 - (c) Network Information Card
 - (d) None of these
- (19) A set of predefined Rules is called _____.
- (a) Protocol
 - (b) Packet
 - (c) Control
 - (d) Datagram
- (20) Repeater functions in which layer(s) ?
- (a) Data link
 - (b) Physical
 - (c) Network
 - (d) Both (a) & (b)

2. (A) Explain any **three** :

6

- (1) Infrared
- (2) Peer to Peer Model
- (3) Application Services
- (4) Active Hub
- (5) RFCOMM
- (6) IP Address

(B) Briefly explain any **three** :

9

- (1) Span Port
- (2) Logging event
- (3) SLIP and PPP
- (4) L2CAP
- (5) Active HUB
- (6) Fiber optic cable

(C) Attempt any **two** :

10

- (1) What is networking ? Explain types of network.
- (2) What is multiplexing ? Explain type of its.
- (3) Explain any two wireless transmission media.
- (4) Explain OSI reference model in detail.
- (5) Write a note on IPV6.

3. (A) Explain any **three** :

6

- (1) PPP Protocol
- (2) Database services
- (3) Star topology
- (4) Laser
- (5) BGP Protocol
- (6) DCL Protocol

(B) Briefly explain any **three** :

9

- (1) Logging event
- (2) CARP
- (3) Bridge
- (4) Security wheel
- (5) Gate way
- (6) Apple talk

(C) Attempt any **two** :

10

- (1) What is Security ? Explain CIA model in detail.
- (2) How many types of account in windows server 2003 ? Explain briefly.
- (3) What is switching ? Explain circuit and packet switching.
- (4) Explain NetBIOS and NetBEUI.
- (5) What is Router ? Explain types of its.