

C-27

C-137

003-003503

B.C.A (CBCS) (Sem. V) Examination

October-2012

CS-27 Network Technology and Administration

Faculty Code : 003

Subject Code : 003503

Time : 2 ½ Hours]

[Total Marks : 70

Instruction : The answer of Q. 1 (M.C.Q) must be written in the same answer-book.

1. Answer the following M.C.Q. (20)

- (1) The full form of LAN is,
(a) Local Area Network (b) Line Area Network
(c) Leased Area Network (d) None
- (2) Which type of Network has no concept of server ?
(a) Client / Server Network (b) Peer – to – Peer Network
(c) Wide Area Network (d) All of Above
- (3) Which one of the following is wireless transmission media ?
(a) Co-axial Cable (b) Fiber Optic Cable
(c) Twisted Pair Cable (d) Infrared
- (4) How many layers are in OSI reference model ?
(a) 4 (b) 7
(c) 8 (d) 5
- (5) What is the frequency range of microwave ?
(a) 1 – 300 GHz (b) 1 – 600 GHz
(c) 1 – 400 GHz (d) None
- (6) Which of the following is multiplexing technique ?
(a) PDM (b) TDM
(c) GDM (d) BDM
- (7) Which type of MODEM provide high speed data transmission ?
(a) Asynchronous (b) Synchronous
(c) Both (d) None
- (8) Which type of Hub do not contain any electronic components ?
(a) Passive Hub (b) Active Hub
(c) Intelligent Hub (d) None

- (9) What is the full form of SNMP ?
(a) Simple Network Management Protocol
(b) Simple Network Monitoring Protocol
(c) Simple Network Mixed Protocol
(d) None

(10) Which one of the following can also act as a Bridge ?
(a) Brouter
(b) Gateway
(c) Repeater
(d) Hub

(11) BGP is which type of Protocol ?
(a) Internet Protocol
(b) Intranet Protocol
(c) Extranet Protocol
(d) None

(12) The leading Bits for class-A, IP address is
(a) 0
(b) 10
(c) 110
(d) 1110

(13) What is the alternative name of circuit switching ?
(a) Connection Oriented Network
(b) Connection Less Network
(c) Connection Switch Network
(d) None

(14) In which type of switching technique the messages are dividing in to packets ?
(a) Message Switching
(b) Packet Switching
(c) Circuit Switching
(d) None

(15) What is the full form of WEP ?
(a) Wireless Easy Protocol
(b) Wired Equivalent Privacy
(c) Wireless Equipment Protocol
(d) None

(16) E-Mail is common application for
(a) Message Switching
(b) Circuit Switching
(c) Packet Switching
(d) None

(17) Repeater operate at which layer of OSI reference model ?
(a) Physical Layer
(b) Session Layer
(c) Application Layer
(d) Network Layer

(18) Internet is which type of network ?
(a) LAN
(b) MAN
(c) WAN
(d) None

(19) Which of the following is Network Access method ?

- (a) Bus
- (b) Mesh
- (c) CSMA/CA
- (d) All of above

(20) Fax is which type of Network Service ?

- (a) File Service
- (b) Communication Service
- (c) Print Service
- (d) Database Service

2. (a) Briefly explain any Three :

- (1) Voice Mail
- (2) CSMA /CD
- (3) Star topology
- (4) Infrared
- (5) Active Hub
- (6) BGP

(6)

(b) Briefly explain any Three :

- (1) Subnetting
- (2) Network Security Wheel
- (3) CARP
- (4) Repeaters
- (5) Fiber Optic Cable
- (6) FDM

(9)

(c) Attempt any Two :

- (1) Write a short note on network monitor and logging event.
- (2) What is Security ? Write a short-note on CIA model.
- (3) Explain IPX /SPX Protocol.
- (4) Explain De-facto and De-jurie Standards.
- (5) Write a note on WPA.

(10)

3. (a) Briefly explain any Three :

- (1) Ring Topology
- (2) Laser Transmission
- (3) Brouter
- (4) Packet Switching
- (5) RFCOMM Protocol
- (6) User Account

(6)

(b) Briefly explain any **Three** : (9)

- (1) Perimeter Security
- (2) MMC
- (3) Bridge
- (4) Gateway
- (5) Database Services
- (6) NetBIOS Names

(c) Attempt any **Two** : (10)

- (1) List out network models and explain any one of them.
- (2) Explain Routing in mobile networks.
- (3) Write a note on IPV 6.
- (4) Write a note on MODEM.
- (5) How many types of accounts are in Windows Server 2003 ? Explain briefly.