

**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) Router
  - (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** :

(6)

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

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

(9)

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

(c) Attempt any **Two** :

(10)

- (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.

3. (a) Briefly explain any **Three** :

(6)

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

(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.