

C.B.C.S.S B.Sc Degree Examination, April 2010

Fourth Semester

Computer Science

Core Course – Computer Networks

Time : Three Hours

Total Weight : 25

Part A

Answer all questions

Each bunch of four questions carries a weight of one

Fill in the Blanks:

- I) 1. The data transfer in which the data associated with the application flows in one direction is called ...simplex... method.
2. PSTN stands for
3. The application protocol that is used to control the transfer of messages between two MTAs over the Internet is called.....
4. A collection of interconnected networks is called an
- II) 5. consists of hardware controlled by associated software, that performs the related network interface functions
6. The unit that performs the modulation and demodulation function is called
7. CATV stands for
8. are privately owned networks within a single building or campus upto a few kilometers in size.
- III) 9. In which transmission type, message is independently for transmission purposes?
(a) synchronous (b) asynchronous (c) symmetric (d) asymmetric
10. Protocols used to transfer files across Internet
a) SNMP b) SMTP c) HTTP d) FTP
11. DHCP stands for
a) Dynamic host configuration protocol b) Digital host configuration protocol
c) Dynamic hypertext configuration protocol d) Digital hypertext configuration protocol
12. The Bluetooth standard is an open standard published by an industry based association called.....
a) Bluetooth Special Interest Group b) Bluetooth System Interest Group
c) Bluetooth Special Isolated Group d) Bluetooth System Isolated Group

- IV 13. Client port numbers are usually called
- (a) ephemeral ports (b) usb ports (c) scsi (d) agp
14. The Flag in TCP indicates the number of bytes in the data field that follow the current sequence number
- (a) SEQ (b) INTR (c) SIGN (d) URG
15. In Bluetooth technology, link is intended for speech/ audio applications.
- a) ACL b) SCO c) QBE d) UDP
16. At regular intervals, each router broadcast a message, containing the router's identity.
- a.) physical state b.) session state c.) link state d) application state

Part B

*Answer five questions out of eight
Each bunch of four questions carries a weight of one*

17. What is ADSL?
18. Define DNS
19. Compare twisted pair and coaxial cable
20. Describe WLANS
21. What is meant by URL
22. Define computer network
23. What is meant by routing metric?
24. State the difference between circuit switching and packet switching.

Part C

*Answer four questions out of six
Each bunch of four questions carries a weight of two*

25. Explain OSI reference model
26. Explain ISDN
27. What are the features of IPv6?
28. Describe Flooding.
29. Explain silly window syndrome.
30. Write notes on Fiber optics?

Part D

*Answer two questions out of three
Each bunch of four questions carries a weight of four*

31. Describe the uses of computer networks.
32. Explain the operations of TCP protocol.
33. Explain WWW.