

V.P. & R.P.T.P. Science College
T.Y.B.Sc (SEMESTER V) Internal EXAMINATION
US05CCSC04 : Computer Networks

Date: 04/10/2013, FRIDAY

Time: 3:30PM to 05:00PM

Marks: 30

Q.1 Multiple Choice Questions

[06]

1. Broadcasting means

- [a] Sending message to some computer
- [b] Sending message to all computer in the same network
- [c] Receiving message from all computer in the network
- [d] Receiving message from some computer in the network

2. If a computer on the network shares resources for others to use, it is called ____.

- [a] Server
- [b] Client
- [c] Mainframe
- [d] Router

3. Which of the following is not a guided medium

- [a] Twisted-pair cable
- [b] Coaxial cable
- [c] Fiber-optic cable
- [d] Atmosphere

4. What is the major factor that makes coaxial cable less at risk to noise than twisted-pair cable?

- [a] Inner Conductor
- [b] Diameter of cable
- [c] Outer conductor
- [d] Insulating material

5. The _____ layer lies between the network layer and the application layer.

- [a] Data link
- [b] Physical
- [c] Transport
- [d] None of the above

6. Mail services are available to network users through the _____ layer.

- [a] Data link
- [b] Physical
- [c] Application
- [d] Transport



Q.2 Answer the following in short (Any Three)

[06]

1. Difference between broadcasting and multi casting.
2. Define following : [a] Modulation rate [b] Spectrum
3. List the modulation techniques.
4. Differentiate between single-mode fiber and multi-mode fiber.
5. Write the full form of SMTP and POP.
6. Define multiplexing and demultiplexing

Q.3 Define computer network. State the advantages and disadvantages of computer network.

[06]

OR

Q.3 Write short note on MAN.

[06]

Q.4 What do you mean by Multiplexing? Differentiate between TDM and FDM.

[06]

OR

Q.4 (a) Write the difference between circuit switching and packet switching.

[03]

(b) Differentiate between guided and unguided media.

[03]

Q.5 Explain OSI reference model in detail.

[06]

OR

Q.5 Write a note on wireless network.

[06]

Best of Luck