



V.P. & R.P.T.P. SCIENCE COLLEGE
T.Y.B.Sc. (SEMESTER – V)
INTERNAL TEST : OCT-2018
US05CCSC04 : COMPUTER NETWORKS

DATE: 05/10/2018

TIME: 10:00am to 12:00pm

MARKS : 50

Q.1 Multiple Choice Question

[08]

1. If a computer on the network shares resources for others to use, it is called _____
(a) Server (b) Client (c) Mainframe (d) Router
2. WAN stands for
(a) Wap Area Network (b) Wide Area Network
(c) Wide Array Net (d) Wireless Area Network
3. Which of the following modulation requires the lowest bandwidth?
(a) ASK (b) PSK (c) FSK (d) QPSK
4. Which of the following physical connection is the fastest?
(a) Twisted pair (b) Coaxial cable (c) Fiber-optic cable (d) Radio waves
5. To collect multiple calls together and send them together—
(a) Transmission (b) Multiplexing (c) Signaling (d) Trunks
6. The path that a satellite makes around the world is called _____
(a) An orbit (b) A period (c) A footprint (d) An uplink
7. _____ is actually a multiport repeater
(a) Hub (b) Bridge (c) Router (d) VLAN
8. Which topology requires a central controller or hub?
(a) Star (b) Mesh (c) Bus (d) Ring

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

[10]

1. Define : Data rate
2. Name the two popular LANs.
3. List the modulation techniques.
4. Explain serial transmission in brief.
5. Explain multiplexing and Demultiplexing
6. Write the full form: 1. DNS 2. HTTP
7. Explain modem with example in brief
8. Explain Gateway with example in brief.

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

[08]

OR

Q.3 What is LAN? List the characteristics of LAN. Name the two popular LANs.

[08]

Q.4 Explain fiber optic in detail.

[08]

OR

Q.4 What is switching? Explain packet switching in detail.

[08]

Q.5 Explain OSI reference model in detail.

[08]

OR

Q.5 Write a note on communication satellite.

[08]

Q.6 Explain Ring topology with example and discuss the advantage and disadvantage of ring topology

[08]

OR

Q.6 Write a note on Mesh Networks.

[08]