

V.P. & R.P.T.P. SCIENCE COLLEGE  
T.Y.B.Sc. (SEMESTER – V)  
INTERNAL TEST : OCT-2019  
COMPUTER SCIENCE  
US05CCSC04 : COMPUTER NETWORKS



DATE: 07/10/2019

TIME: 11:00pm to 12:15pm

MARKS : 25

Q.1 Multiple Choice Question

[05]

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. \_\_\_\_\_ is to collect multiple calls together and send them together
  - a. Transmission
  - b. Multiplexing
  - c. Signaling
  - d. Trunks
3. 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
4. Mobile computers and Personal Digital Assistants (PDAs) are the examples of \_\_\_\_\_.
  - a. Radio broadcasting
  - b. Wireless Network
  - c. Geosynchronous
  - d. LAN
5. Which topology requires a central controller or hub?
  - a. Star
  - b. Mesh
  - c. Bus
  - d. Ring

Q.2 Define computer network. State the advantages and disadvantages of computer network. [05]

OR

Q.2 Write short note on MAN. [05]

Q.3 Explain fiber optic in detail. [05]

OR

Q.3 What is switching? Explain circuit switching in detail. [05]

Q.4 Explain OSI reference model in detail. [05]

OR

Q.4 List and explain design issues for layers. [05]

Q.5 Explain Ring topology with example and discuss the advantage and disadvantage of ring topology. [05]

OR

Q.5 Explain Star network with example. Write advantages and disadvantages of the same. [05]