DG-3176
Third Year B. Sc. (Sem. V) Examination
March/April – 2016
Computer Science : Paper - VII (502)
(Computer Networking - I)

Time : 2 Hours] [Total Marks :
Instructions :
(1)

T. Y. B. Sc. (Sem. 5)
Name of the Subject :
COMPUTER SCIENCE : PAPER - 7 (502)
Subject Code No. : 3 1 7 6 Section No. (1, 2,.....) : Nil

(2) Q1 is compulsory

Q1..
1. What are some of the factors that determine whether a communication system is LAN, MAN or WAN?
2. Why are standards needed?
3. What is the structure of a packet?
4. What are the media of transmission?
5. Define encryption and decryption?
6. Differentiate a. Physical topology and logical topology b. BNC Connector and RJ 45 connector

Q2.
1. Explain a. Ring logical topology b. Star topology
2. Describe the function of Network Interface Card.

OR

Q2.
1. What do you mean CSMA/CD and CSMA/CA?
2. What are the services provided by Database server and Web Server.

Q3.
1. What are the different types of cables used for network? Explain.
2. Distinguish between a repeater and a bridge

OR
Q3
1. What are the functions of data link layer and application layer?
2. Distinguish between a hub and a switch

Q4 Write Note on Any two