



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)

नीचे दशांशके निशान्तीवाणी विगतो उत्तरवली पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← T. Y. B. Sc. (Sem. 5)	<input type="text"/>
Name of the Subject :	<input type="text"/>
← COMPUTER SCIENCE : PAPER - 7 (502)	<input type="text"/>
← Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="6"/>	← Section No. (1, 2,.....) : <input type="text" value="Nil"/>
	Student's Signature

(2) Q1 is compulsory

Q1..

[14]

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.

[7+7]

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

OR

Q2.

[7+7]

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

Q3.

[8+6]

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

OR

Q3

[10+4]

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

1. Network Security
  2. Router
  3. IRQ
  4. IEEE 802.1.
-