



AB-3176
Third Year B. Sc. (Sem. V) Examination
March/April – 2015
Computer Science : Paper-VII(502)
(Computer Networking-I)

Time : 2 Hours]

[Total Marks : 50

Instruction :

(1)

<p>नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B. SC. (SEM. V)</p> <p>Name of the Subject : COMPUTER SCIENCE : PAPER-VII(502)</p> <p>Subject Code No. : 3 1 7 6 Section No. (1, 2,...): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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(2) Q.1 is Compulsory.

1

14

- (1) What is static routing and dynamic routing ?
- (2) Compare LAN, WAN and MAN.
- (3) What is the function of driver. ?
- (4) What are the media of transmission. ?
- (5) What is firewall?
- (6) What is difference between digital data and analog data ?
- (7) What are the advantages and disadvantages of client server model ?

2

7+7

- (1) Define topology. Explain any two physical topology.
- (2) Distinguish between a repeater and a bridge.

OR

2

4+4+6

- (1) What is the purpose of CSMA?.
- (2) What is the difference between token bus and token ring.?
- (3) What are the services provided by web server and application server ?

- 3** **8+6**
- (1) Describe the role of transport layer and presentation layer..
 - (2) Compare the functions of hub, switch and router.

OR

- 3** **8+6**
- (1) What are the networking features of single user operating system. ?
 - (2) Write note on a IEEE 802.2 and 802.5

- 4** Attempt **any two** : **8**
- (1) Physical address and logical address
 - (2) Duties of System Administrator.
 - (3) Network security.
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