



UA-3750

Second Year B. C. A. (Sem. IV) Examination
March/April – 2012
Computer Network

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशावलि निशानीवाणी विगतो उत्तरवदी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. B. C. A. (Sem. 4)

Name of the Subject :
Computer Network

Subject Code No. : **3 7 5 0** Section No. (1, 2,.....) : **NIL**

Seat No. :

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Student's Signature

- 1 (a) Answer the following : (any five) 10
- (1) Write a difference between guided media and unguided media.
 - (2) What do you mean by broadcast and multi cast ?
 - (3) What is the function of SMTP ?
 - (4) Differentiate between Router and Brouter.
 - (5) Define subnetting.
 - (6) What is Bluetooth ?
 - (7) List protocols used in network and transport layer.
- (b) Explain about different network operating systems. 6
- 2 Answer the following : (any three) 15
- (1) Explain the procedure for installing and configuring network adapters.
 - (2) Explain security in networking.
 - (3) Compare virtual circuit and datagram.
 - (4) Explain about star topology.

3 Answer the following : (any three)

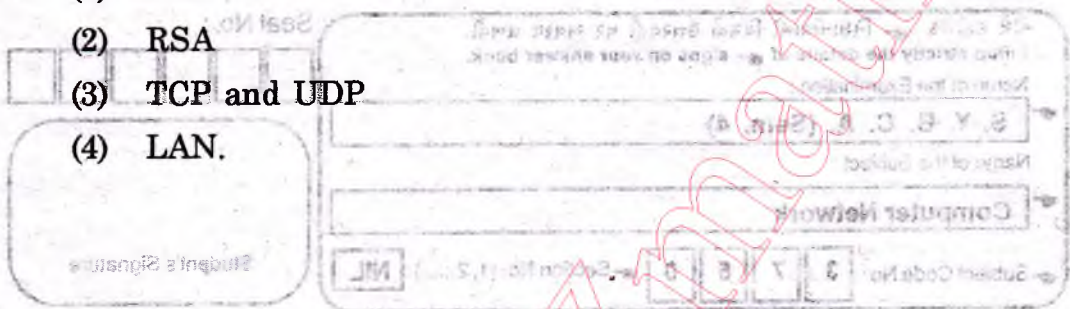
24

- (1) Explain the bus type topology and ring type topology networks. Compare their performance.
- (2) Explain frame structure of IEEE 802.3.
- (3) Explain public key and private key algorithm.
- (4) Discuss how multiplexing and demultiplexing is done in the transport layer.

4 Write notes on : (any three)

15

- (1) Firewall
- (2) RSA
- (3) TCP and UDP
- (4) LAN.



10

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- (7) List protocols used in network and transport layer.

8

Explain about different network operating systems

15

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- (4) Explain about star topology.