



NC-1465

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Second Year B. C. A. (Sem. IV) Examination
September / October – 2011
Computer Network (405)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दस्तावेज निशानोंवाणी विगतों उत्तरवही पर अवश्य बंधनी.
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 (405)

Subject Code No. : 1 4 6 5 Section No. (1, 2,.....) : Nil

Seat No. : [] [] [] [] [] [] [] [] [] []

Student's Signature

(2) All questions are compulsory.

(3) Figures on right indicate marks.

1 (a) Answer in brief : (any five) 10

- (1) Why do we require a twist in a twisted pair cable ?
- (2) Define (i) Bandwidth (2) Transmission rate.
- (3) Differentiate between Active Hub and Passive Hub.
- (4) What is use of repeater ?
- (5) Explain connection oriented and connectionless services.
- (6) What do you mean by multiple transport stack ?
- (7) Define the term cryptography.

(b) Explain in short about different types of servers. 6

2 Do as directed : (any three) 15

- (1) How does the network manager install and configure a NIC ?
- (2) Explain about data link layer in detail.
- (3) Explain about star and ring topologies in detail.
- (4) Explain about co-axial cable.

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3 Answer in detail : (any three) 24

- (1) Explain different features of server operating system.
- (2) Explain IEEE 802.4 standard in detail.
- (3) Discuss OSI reference model in detail.
- (4) Explain about TCP/IP configuration.
- (5) Write a note on public key infrastructure.

4 Write notes on : (any three) 15

- (1) Server base network
- (2) Fiber Optics
- (3) Bridges
- (4) Gateways.