



K-3750

Second Year B. C. A. (Sem. IV) Examination

October/ November – 2012

Computer Network : Paper - 405

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी.
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 : Paper - 405

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

Seat No. :

Student's Signature

1 (a) Answer the following: (Any Five) [10]

1. Define topology. Name any four topologies in computer network.
2. List different physical media available.
3. What do you mean by Encryption and Decryption?
4. Define circuit and packet switching.
5. What do you mean by bandwidth and transmission rate?
6. Differentiate Wired LAN and Wireless LAN.
7. Give use of Hub and Gateway.

(b) Differentiate Client server and Web based application. [06]

2 Answer the following: (Any Three) [15]

1. Explain the SMTP and HTTP. Give their uses, state strengths and weaknesses.
2. Mention the advantages of Fiber Optics.
3. Compare TCP and IP services.
4. How to share file and printer on network?

3 Answer the following: (Any Three) [24]

1. Discuss in detail about the layers of OSI model.
2. Discuss the frame format of token ring in detail.
3. Explain any four basic network topologies with giving all the relevant features.
4. Explain Ethernet protocol.

4 Write a note on: (Any Three) [15]

1. Routers.
 2. Message switching.
 3. File servers.
 4. NIC.
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