



K-3750
Second Year B. C. A. (Sem. IV) Examination
October/ November – 2012
Computer Network : Paper - 405

Time : 3 Hours]

[Total Marks : 70

Instruction :

<p>नीचे दृशविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य कर्णवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>S. Y. B. C. A. (Sem. 4)</p> <p>Name of the Subject :</p> <p>Computer Network : Paper - 405</p> <p>Subject Code No. : 3 7 5 0 Section No. (1, 2,.....) : NIL</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <p style="text-align: center; margin-top: 20px;">Student's Signature</p>						

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.