J'190 J

RF-1885

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

April/May – 2007

Computer Network : 405

Time : . Hours] [Total Marks : 70

Instruction :

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
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 8 8 5 ☛ Section No. (1, 2,.....) : Nil

Seat No.:

Student's Signature

1 (a) Do as directed : (any seven) 7

(i) What is network ?

(ii) Enlist topologies.

(iii) What is multiplexing ?

(iv) What do you mean by encryption ?

(v) What do you mean by workgroup scope ?

(vi) What is MAN ?

(vii) What is bandwidth ?

(viii) What do you mean by amplifier ?

(b) Assume you are network administrator and want to set up a network for your organization. Consider the following criteria :

* There will be only 10-node on the network.
* Organization prefers not to dedicate an individual's time to maintaining a network.
* Want to keep data safe.
* Cost is an issue.

(i) In what ways is a server-based network appropriate for organization ? In what ways is it inappropriate ? 4

(ii) Which type of transmission media will you use ? 2

(iii) What aspect of a dedicated file server will help to keep your data safe ? 1

2 (a) Explain "Storage" feature of different OS. 7

(b) Write note on application servers. 5

OR

2 (a) Write note on primary network components. 7

(b) Write a note sharing a files and printer ? 3

(c) What is network binding ? How it is configured ? 2

3 (a) Explain star topology. 4

(b) Write note on functions provided by NIC. 8

OR

3 (a) Explain logical ring topology. 4

(b) Write note on assessing network service. 8

4 (a) Explain OSI model. 8

(b) Write a note on analyzing current network management. 4

OR

4 (a) Write note on file servers. 8

(b) Write note on redirector. 4

5 Write note on the following : (any four) 20

(i) Firewall

(ii) Fiber optics

(iii) Wireless media

(iv) Basic TCP/IP configuration

(v) Transmission modes.
