



SU-8170

Seat No. _____

M. C. A. (Sem. IV) Examination

May / June – 2006

P - 401 : Network Programming

Time : 3 Hours]

[Total Marks : 75

- 1 Answer any Four: 20
1. Write a detail note on peer to peer process.
 2. Explain the use of TCP and UDP protocol in TCP/IP protocol Suite
 3. Explain the use of Port and socket address
 4. When to use super-netting give its example
 5. Explain the classless IP address notation.
- 2 Answer any two: 20
1. Essar Oil Ltd is granted the site address 202.71.65.0 needs 20 subnets. Design the subnets and subnet mask for the network with all subnet ranges.
 2. Write a C program in c to send one string message to server and get echo message back.
 3. How to find HostId and NetId from given address in class full addressing? Find the Class and Network Address of the following Address: 202.71.64.73 Subnet Mask is 255.255.255.224.
- 3 Answer any Four: 20
1. What are Byte Manipulation Functions and why its need in socket?
 2. What is Socket Interface? Explain.
 3. Draw and explain diagram of connectionless Iterative client server mechanism in window environment.
 4. Explain the following functions in UNIX environment
 - a. int connect()
 - b. int bind()
 5. List and explain any three methods of Winsock control.
- 4 Answer the following : 15
1. Write a note on date and time routines.
 2. Differentiate Berkeley Sockets Versus WinSock.
 3. List and explain any three Events of Winsock Control
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