2019

MCA

4th Semester Examination

Network Lab

PAPER - MCA-409

Full Marks: 100

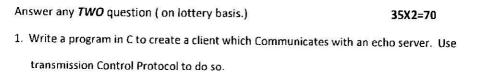
Time: 3 hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their

Own words as far as practicable.

Illustrate the answers wherever necessary.



- 2. Construct an echo server using TCP. The server should provide the echo service via Port no. 4567.
- 3. Write a program in C to construct a server using UDP. The Server should repeatedly accept
- Write a program in C to construct a UDP Client which communicates with a UDP echo server.
- 5. Write a program to demonstrate broad cast sender.

and send back a string to the communicating clients.

- 6. Write a program in C to create a broad cast receiver.
- 7. Write a program in C to create a server which is able to send message to a specific user group.
- 8. Write a program to create a receiver which, as a part of group, can receive a message, sent to that group.
- 9. Write a program in C to accept an IP address and determine the class of that IP Address.

C/19/MCA/4/SEM/MCA-409/18

 $\begin{bmatrix} PNB - 10 \\ VIVA & 20 \end{bmatrix}$