Exam. Code : 206703
Subject Code :   4673

M.Sc. Computer Science Semester—III
MCS-305 : NETWORKING PROGRAMMING

Time Allowed—3 Hours]   [Maximum Marks—100

Note :— Attempt any **FIVE** questions. All questions carry equal marks.

1. Write a detailed note on different type of network servers.

2. What is Zombie process ? How it differs from daemon process ? Write the critical issues related with these two types of processes.

3. Explain UDP communication in detail.

4. (a) Write a note on Wrapper functions.

   (b) What is I/O Multiplexing ?

5. Explain transport layer protocols used by IP based networks.

6. Explain various similarities and differences between Unix and Windows regarding networking utilities.

7. (a) Write a detailed note on OSI model.

   (b) What do these commands do : fork, ping, tracerout ?

8. What are IPv4 and IPv6 ? Explain the limitations of IPv4 and need for IPv6.