

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.