

16PCSCT2A05 - PCS/CT/2A05

M.SC. DEGREE EXAMINATION, APRIL 2018

I YEAR - II SEMESTER

Major Paper V- NETWORK PROGRAMMING

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20marks$)

Answer any **TEN** questions

1. What is FIFO?
2. What is TCP/IP?
3. Define Byte ordering function.
4. What is iterative server?
5. What is meant by TCP Echo server?
6. What are Server host crashes?
7. List out the stack options.
8. What is UDP?
9. Define Mutexes.
10. What are raw sockets?
11. Define UNIX.
12. What is IPV4?

Section B ($5 \times 5 = 25marks$)

Answer any **FIVE** questions

13. Write short notes on Semaphore.
14. Explain about Concurrent Server.
15. Explain the POSIX Signal handling.
16. Describe the Domain name system.
17. Explain the trace route program in detail.
18. What is Process control? Explain briefly.
19. Discuss in detail about select and poll function.

Section C ($3 \times 10 = 30marks$)

Answer any **THREE** questions

20. Explain the Interprocess Communication.
21. Describe the Socket address structure in detail.
22. Discuss the various I/O Models.
23. Explain the Multiplexing TCP and UDP sockets.
24. Discuss about TCP echo server using threads.