NOVEMBER/DECEMBER 2019

MCS24 — UNIX NETWORKING PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) List and explain File I/O functions in UNIX.

Or

    (b) What are the various File Access Permission in UNIX?

2. (a) Explain the methods of Process Termination.

Or

    (b) Explain the various action related to Signals.

3. (a) Write a short note on FIFO.

Or

    (b) Explain the concept of Record Locking in UNIX.

4. (a) Explain the structure of IPv4 Socket Address.

Or

    (b) Write a short note on Accept function in elementary TCP sockets.

5. (a) Write about Normal Startup in TCP Client Server.

Or

    (b) Discuss on Socket Functions in UDP Client-Server.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain in detailed about UNIX password file and Group file.

7. Write in detailed account on Unreliable Signals.

8. Describe about Shared Memory in UNIX.

9. Explain the Rules for applied for output on a Raw Socket.

10. Explain TCP echo Server str_echo function in detail.