

APRIL/MAY 2019

**MCS24 — UNIX NETWORKING  
PROGRAMMING**

Time : Three hours

Maximum : 75 marks

**SECTION A — (5 × 6 = 30 marks)**

Answer ALL questions.

1. (a) Briefly explain UNIX file system.  
Or  
(b) How will you create a function? Explain.
2. (a) What are the ways of Normal termination of a process? Explain.  
Or  
(b) Write a short note on Process Identifiers.
3. (a) What are the rules apply to end of a pipe? Explain.  
Or  
(b) Explain about the file locking in UNIX.
4. (a) Explain about the byte ordering function.  
Or  
(b) Explain the bind function for elementary TCP sockets.

5. (a) Discuss the normal termination for TCP client server.

Or

- (b) Write a short note on Ping.

**SECTION B — (3 × 15 = 45 marks)**

Answer any THREE questions.

6. Explain in detail the types of buffering.
7. Explain the shared memory in UNIX.
8. Discuss in detail the concept of message queue.
9. What are the rules applied to Raw Socket Input? Explain in detail.
10. Explicate TCP echo Server str\_echo function in detail.