

DECEMBER 2015

**P/ID 17467/
RCT/PCAO**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Explain the views of an operating system.

Or

(b) Explain real-time systems.

2. (a) Explain naming in inter process communication.

Or

(b) Explain multiple processor scheduling.

3. (a) Explain swapping in memory management.

Or

(b) Write a note on SCAN scheduling.

4. (a) Explain the various file operations.

Or

(b) Explain directory implementation.

5. (a) Explain device management in MS-DOS.

Or

- (b) Explain the security features in Unix operating system.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Discuss about the I/O structure.
7. Write a detailed note on system calls.
8. Explain the process concept in detail.
9. Explain the basic concept of CPU scheduling.
10. Explain the common techniques for structuring the page table.
11. Explain the LRU approximation page replacement algorithm.
12. Explain the different file access methods.
13. Discuss about the process management in Unix operating system.