MAY 2016 **P/ID 17512/PCASM**

Time : Three hours Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Give a Short note on Dual mode Operation.

2. State the four conditions where deadlock occurs. How can it be prevented?

3. What is Thrashing? Give a note on causes of Thrashing.

4. Write a short note on Access controls.

5. What are the algorithms used for directory implementation? Give a note on them.

6. How is multiprocessor scheduled? Give a note.

7. How to create and remove directory in Unix? Give a note.

8. What is MS-DOS? List out some ms-dos commands.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Discuss on :

   (a) System calls,

   (b) System programs,

   (c) System design and implementation.

10. What is process and process state? Explain Process scheduling.

11. Explain hardware protection of a system.

12. What is segmentation? Explain page segmentation.

13. Summarize scheduling algorithms.

14. Explain Disk Scheduling and its algorithm.

15. Summarise the concepts of paging strategy.

16. Describe Directory Structure.

17. What is Unix? How to access Unix systems? Write a note on Unix shell.

18. Discuss on the File system Implementation.

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