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Paper Code :DCS-110

Roll No.

MCA-4

1st Year Examination, Academic Batch 2018
Operating System with Unix & Shell Programming
Computer Organization

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **five** questions. Each questions carry equal marks.*

Q.1. What is the need for a directory? Explain the different directory structures.

Q.2. What is a process? With the help of a diagram explain the different transaction of a process. Explain the Round-Robin Scheduling.

Q.3. Explain the FCFS Scheduling and the process control block.

Q.4. Explain the First-Fit, Best-Fit and Worst-fit allocation algorithms with an example. Explain demand paging virtual memory system.

Q.5 Explain various types of instruction formats.

Q.6 What is instruction pipelining? Explain in detail.

Q.7 Explain Half adder, Full adder and Flip - Flops with diagram.

Q.8 Write different categories of microoperations.