

Roll No.

Total Pages : 2

BT-7/D-23

47308

OPERATING SYSTEMS

Paper-ECO-11A

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

UNIT-I

1. Discuss various functions of the Operating system in detail. 15
2. Discuss the evolution of the operating system and its future in detail. 15

UNIT-II

3. Discuss the various software resources managed by the operating system with suitable examples. 15
4. Discuss PSW and its different fields in detail. Discuss the concept of interrupts in operating system. 8,7

UNIT-III

5. Discuss the concept of concurrent processing in detail. Discuss the concept of concurrent program in detail. 8,7

6. Discuss the concept of Hierarchy of Processes. Discuss the steps of Process creation. Discuss the concept of Processes and Threads. 5,5,5

UNIT-IV

7. Discuss the concept of CPU scheduling. Discuss the first come first serve and shortest process first scheduling algorithm with suitable examples. 5,10
8. Write short notes on the following : 5,5,5
- (a) Deadlock
 - (b) Resource allocation Graph
 - (c) Deadlock avoidance.

