

COURSE CODE - 2050149

PG DEGREE EXMINATION - JAN 2009

M.SC (CS)/M.SC (CS)-(L)

MODERN OPERATING SYSTEM

(For the Candidates Admitted from Calendar Year 2007 Onwards)

Time: 3 hours

Max. Marks: 75

Section -A

Answer All Questions:

15 X 1 =15

1. What is Buffering
2. What is Cycle Stealing
3. What is Multiprocessing
4. What is transaction
5. What is thread
6. Define Interrupt handler
7. What is processor
8. What is index file
9. What is direct file
10. What is task
11. Define Uniprocessor
12. What is Scheduling
13. What is real time database
14. Define Memory
15. What is transaction

Section - B

Answer any Five Questions:

5 X 6 = 30

16 (a) Explain the design issues in System Models

(Or)

(b) Explain Process Migration

17 (a) What is Deadlock? Explain with an example

(Or)

(b) Explain Mutual Exclusion

18 (a) Explain Processor Allocation

(Or)

(b) What is scheduling. Describe in detail

19 (a) Explain scheduling algorithms

(Or)

(b) Explain Task effect

20 (a) What are the databases for hard real time systems

(Or)

(b) Describe real time communications

Section -C

Answer any Two Questions:

2 X 15 = 30

21) Explain Remote Procedure Calls

22) Explain the process of clock synchronization

23) Explain Distributed File System

24) Describe in detail about Fault tolerance scheduling

25) Explain issues of concurrency control