GSQ/D-22

1174

OPERATING SYSTEM-I BCA-352

Time: Three Hours]

[Maximum Marks: 80

Note: Attempt Five questions in all, selecting one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

- With reference to the operating system, answer the following: 2×8=16
 - (i) Multiprocessing
- (ii) Distributed

- (iii) FCFS (iv) Process
- (v) Semaphore .
- (vi) Swapping
- (vii) Deadlock
- (viii) LRU

Unit I

- Define Operating System. Explain its characteristics and 2. components. 16
- Explain the terms Batch, Timesharing, Parallel and Distributed with reference to Operating System. (6-03/2) L-1174 P.T.O.

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Unit I

4.	Define process and thread. Explain Process Control
\ .	Block.
5.	Explain FCFS, SJF, Priority, Multilevel Queue scheduling
· •	algorithms.
15 - a - 3	Unit III
6.	Explain Prevention, Avoidance, Detection and Recovery
	with reference to dealock:
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7.	Explain Partition, Paging, Fragmentation and Segmentation
i	with reference to memory management.
.4 .	No. 10 Page 10
	Unit IV
8.	
	algorithms.
9.	Explain various file allocations methods. 16
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