

Section	MODULE 1	MODULE 2	MODULE 3	MODULE 4	MODULE 5
	Number of Questions	Number of Questions	Number of Questions	Number of Questions	Number of Questions
A (5 marks)	2	1	1	1	
B (9 marks)			1	1	1
C (12 marks)		1			

100%

- Scheduling Algorithm with Gantt chart and numerical. 12m
- Bankers Algorithm. 9m

Module	Topic/Question	Marks	
1	Types of Operating System and their difference	5	
	System Call		
	Virtual Machine		
2	Thread	5	
	Multi-Threading Model Difference and benefits		
	Different Scheduling algo's		
	Schedulers short term, long term		
	Types of Processes	12	
	Gantt Chart of Scheduling algo and calculations.		
3	Synchronization- Resource request, Bankers, Peterson's algorithms	5	
	Deadlock Prevention, recovery, detection.	9	
	Bankers Algorithm		
4	Virtual Memory	5	
	Concepts of Paging and swapping	9	
	Page replacement algorithm		
	Explanation of Demand Paging with Diagram		

Module	Topics/Questions	Marks	
5	Disk Scheduling/ problem on it	9	
	Different access methods		
	Linked allocation and continuous allocation, disk attachment		
	Measures to protect the system		