



JSS MAHAVIDYAPEETHA JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA DEPARTMENT OF INFORMATION TECHNOLOGY

CIA-I

AY 2020-21 (Even Semester)

Course : B.Tech Date : 10-May-2021 Semester : IV Subject Code : KCS-401

Subject : Operating System Max. Marks : 30

Time : 9.30am-11.00am

COURSE OUTCOMES						
C210.1	Explain main components, services, types and structure of Operating Systems.					
C210.2	Apply the various algorithms and techniques to handle the various concurrency control issues.					
C210.3	Compare and apply various CPU scheduling algorithms for process execution.					
C210.4	Identify occurrence of deadlock and describe ways to handle it.					
C210.5	Explain and apply various memory, I/O and disk management techniques.					

Q. No.			Questi	ons	СО	BL			
1101	PART- A: Attempt All Questions (5x1 = 5 Marks)								
1.	List the a	1	1						
2.	Define T	1	1						
3.	Different	3	2						
4.	Different	3	2						
5.	State the	3	1						
	<u> </u>	PART-B	: Attempt ANY T	HREE Questions (3x5 = 15	Marks)				
6.	PART-B: Attempt ANY THREE Questions (3x5 = 15 Marks) Diagrammatically explain process state transition diagram?								
7.	Explain	1	2						
8.	Different	3	2						
9.	Explain the major functions and services of an operating system.					2			
		PART-0	C: Attempt ANY	ONE Question (1x10 = 10 M	larks)	-1			
10.	Process	Arrival Time	Burst Time	Priority	3	3			
	P1	0	10	3					
	P2	1	3	1					
	P3	2	2	3					
	P4	3	4	4					
	P5	4	5	2					
	a) SRTF								
	,	ime Slice=4 ms)			3	3			
11.		the following -			3	2			
	a) Monolithic Kernel and Microkernel								
	b) M	3	2						