Continuous Assessment Examination 1 (Aug. 2021)

Program	: CSE	**Max. Marks**	: 30
Course	: B.E	**Time**	: 1 Hour
Course Code	: SCSA1501	**Sem**	: V
Batch	: 2019-2023	**Date**	: 09.08.2021

Part-A 　　　　　 **Answer ALL the questions** 　　　　　 **(5×2=10)**

Q.No	Questions	CO (L)
1.	Mention the purpose of system calls.	CO1(L1)
2.	Difference between user level thread and kernel level thread.	CO1(L2)
3.	Describe Direct Memory Access (DMA).	CO1(L2)
4.	What is meant by context switch?	CO2(L1)
5.	What is scheduling? What criteria that affect the scheduler's performance	CO2(L2)

Part-B 　　　　　 **Answer ALL the questions** 　　　　　 **(2×10=20)**

Q.No	Questions	CO (L)
6.	Explain in detail the OS system components.	CO1(L2)
	(OR)	
7.	Enumerate the different operating system structures and explain with neat sketch	CO1(L3)

8.	Describe the difference among short-term, medium-term and long-term scheduling with suitable example	CO2(L2)
	(OR)	
9.	Evaluate average turnaround time for the following processes using FCFS, SJF non-preemptive, Preemptive SJF.	CO2(L5)

process	Arrival time	Burst time
P1	0	8
P2	4	4
P3	10	1