Seat No.	:	

SL-104

September-2020

B.Sc., Sem.-VI

CC-310: Computer Science

(Operating System)

Hours]	[Max. Ma	arks : 50
(2)	Attempt any three questions in Section-I.	
	SECTION – I	
ite the follo	owing:	
point of v	view.	7
ite the follo	owing:	
		_
	•	with 7
ite the follo	owing:	
		ain it 7
Write sho	ort note on Paging & Segmentation.	7
ite the follo	owing:	
What is s	swapping? Why this concept is needed in operating system?	7
Explain I	Process Concepts with all Process States in detail.	7
	(2) (3) ite the follo What is point of v Explain i detail. ite the follo What do & disadv diagram. What is difference ite the follo What do with two Write sho	ons: (1) All Questions in Section-I carry equal marks. (2) Attempt any three questions in Section-I. (3) Question 9 in Section-II is compulsory. SECTION – I It the the following: What is an Operating System? Explain operating system from user & sypoint of view. Explain multithreading operating system & Multiprocessing operating system detail. It the following: What do you understand by Network Operating System? Explain with advarational disadvantages and also explain essential components of computer system diagram. What is memory allocation? Explain its aim & draw classification chart difference between contiguous & non-contiguous memory allocations. It the following: What do you understand by multiprogramming with fixed partitions? Explain the following: What do you understand by multiprogramming with fixed partitions? Explain the following: What short note on Paging & Segmentation.

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5.	Wri	te the	following:					
	(A)	Exp	lain shortest Job First S	Schedulir	ng alg	gorithm with proper example.	7	
	(B)	Exp	lain Round Robin Sche	eduling a	lgorit	thm with proper example.	7	
6.	Wri	te the	following:					
	(A)	-	lain contiguous & dvantages.	linked	allo	cation methods with advantages	& 7	
	(B)	Wha	ıt is MMU ? Explain it	s all oper	ration	as in detail.	7	
7.	Wri	te the	following:					
	(A)	Wha addr	-	y logical	& pł	nysical address? Explain PAS in physic	al 7	
	(B)	Exp	lain SRTN algorithm v	vith prop	er exa	ample.	7	
8.	Wri	te the	following:					
	(A)	A) What do you understand by IPC ?						
	(B)	Wha	at do you understand by	y virtual 1	mem	ory? Explain in detail.	7	
				SECTIO	ON –	· II		
9.	MC	Qs. : ((Any Four)				8	
	(1)	A pr	ogram in execution is	called				
		(a)	Process		(b)	Instruction		
		(c)	Procedure		(d)	Function		
	(2)	Interval between the time of submission and completion of the job is called						
		(a)	Waiting Time		(b)	turnaround time		
		(c)	throughput		(d)	response time		
	(3)	3) A scheduler which selects processes from secondary storage device is called						
		(a)	Short term scheduler		(b)	long term scheduler		
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(4)	The scheduling in which CPU is allocated to the process with least CPU-burst time is called				
	(a)	Priority scheduling	(b)	Shortest job first scheduling	
	(c)	Round robin Scheduling	(d)	Multilevel Queue Scheduling	
(5)	A de	adlock in an operating system	is		
	(a)	Desirable Process	(b)	Undesirable Process	
	(c)	Definit waiting process	(d)	All of these	
(6)	Page making process from main memory to disk is called				
	(a)	interruption	(b)	termination	
	(c)	Swapping	(d)	None of these	
(7)	Whic	ch of the following is not a fun	dame	ntal process state?	
	(a)	Ready	(b)	Terminated	
	(c)	Executing	(d)	Blocked	
(8)	Whic	ch scheduling policy is most su	uitable	e for a time shared operating system?	
	(a)	Shortest Job First	(b)	Elevator	
	(c)	Round Robin	(d)	FCFS	

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