QP Co	ode: RM20MCA025	Reg. No									AR 20	
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ST UN	GIET UNIVERSITY, GUNUPUR – 765022 M. C. A(First Semester) Examinations, May– 2021											
MCA20103 – Operating Systems												
Time: 2	hrs						C	•		Maxin	num: 50 Marks	
(The figures in the right hand margin indicate marks.) PART – A								(2 x 10 = 20 Marks)				
Q.1. A	nswer ALL questions											
	What is an Operating s	-										
	What is the advantage	_	-	-								
c. Define logical address and physical address.												
 d. Why the page sizes is always power of 2 in memory? a. Define Swapping 												
e. Define Swapping.f. What is External Fragmentation?												
	Explain the difference		ging an	d segme	entation.							
-	Vhat is thrashing?	I .	0 0	0								
	Define Bootstrap Prog	ram?										
j. L	ist the various File A	ttributes?										
										((=	20 Maadaa)	
PART Answe	er ANY FIVE questio	ns								(0 X 5	= 30 Marks) Marks	
2.	-		and Pa	rallel S	vstems						(6)	
2. 3.	Explain Multiprocessor systems and Parallel Systems. Explain Different type of system calls?										(6)	
<i>3</i> . 4.	Explain Different type of system cans? Explain Paging in detail?										(6)	
5.	Explain TLB.										(6)	
<i>5</i> . 6.	-	ing segment	table								(6)	
0.	Consider the following segment table Segment Base Length									(0)		
	0 219 600	ui										
	1 2300 14											
	2 90 100											
3 1327 580												
	4 1952 96											
	What are the physica	al addresses	for the	followi	ing logic	al add	resses	?				
	(i) 0,430				0 0							
	(ii) 1,10											
	(iii) 2,500											
	(iv) 3,400											
	(v) 4,112											
7.	Write short notes on Dead lock and its characteristics?										(6)	
8.	Explain Disk Schedu	uling in deta	uil with	exampl	e?						(6)	
	-	-		-	Paper						. ,	