	Reg	istration no:														
Tota	al Nu	umber of Pages	: 02		102			102			102			102	<u>MCC3</u>	CA 802
		3 rd S€	emes		PĚ	RAT	ING	ck E SYS : MC	STEN		tion	201	6-17			
	102	102			102	Time Max	e: 3 Mar	Hou ks:	rs 70		102			102		102
	Ans	swer Questio The fig			hich	is	om	•	ory		_				rest.	
Q1	102	Answer the fo	llowin	ıg qu	iestic	ons:		102			102			102	(2 x 1	0) ¹⁰²
	a)	Define System Cal														
	p)	What is the cause		_												
	c) d)	Mention the impo			-		_		ontai	ion						
	e)	Differentiate bet What is the differentiate bet						_		LION						
	f)	Describe different			102			102	•		102			102		102
	g)	List the three requ			_			d by c	ritical	sectio	on pro	blem.				
	h)	What do you mea		_												
	i) j)	What is compaction Differentiate bet														
Q2	102	State the conditi Allocation A B C	ľ	t leac Max B C	ds to d	Α	ock ar vailal B C		nside	r the	follov	ving s	ystem	102 1:	(2+8	102
		PO 1 0				4 1 2		2	2 2 0)						
		P1 0 3 P2 1 0				1 5 1 1 2 3										
	102	Is the system in a		state				e safe	e sequ	ience	?102			102		102
3	a)	What is the Peterson's solution to the critical section problem? Draw the structure of processes in Peterson's solution.									(5)					
	b)	Give an example processes. Draw	of the	3 res	ource	e dead			_		resou	rces a	nd th	ree	(5)	
Q 4	a)	Suppose a disk d position of the d 36,79,15,120,199 Shortest Seek Tir	isk is a 9,270,8	t 90. 39,17	The q 0. Cal	ueue culate	of pe	nding avera	requ ge cyl	ests i linder	n FIFO	O orde emen	er is ts for		(5)	102
	h۱	Explain the wors	t fit ald	orith	m for	mem	ory n	nanar	iomor	nt \//	hat ar	e itc k	nanafi	itc?	(5)	

Q5	a) 102 b)	frames: 1,2,3,4,5,6,1,2,3,4,5,6 Find the number of page faults considering FIFO page replacement strategy LRU page replacement strategy Comments on the result obtained.									
	υ,	logical and physical address?									
Q6	a)	Consider the following set of processes. CPU burst time for them is given in milliseconds.									
		Process		Bur	st time (ms)						
		P1			15 .						
		P2			5						
		Р3			7						
		P4			10						
	102	Draw the gnatt chart f	or round robin s	cheduling where	the quantum q	=4	102				
		milliseconds. Calculate	e the average wa	iting time and tu	rnaround time.						
	b)										
							(4.6)				
Q7		What is Translation Lo system? What informa			•		(10)				
Q8	a) b) c) d)	Write short notes on a Belady's Anomaly Kernel Level Thread RAID structure Inter Process Commun	·	102	102	102	(5 x 2) 102				
	102	102	102	102	102	102	102				
	102	102	102	102	102	102	102				
	102	102	102	102	102	102	102				