BIRLA INSTITUTE OF TECHNOLOGY DEOGHAR CAMPUS QUIZ: FIRST

ame:			Roll. No:		
UBJECT:	CS 239 Operating Syste	em	Time: 50 minutes		
Sem.: IVth Branch: CSE		Session: SP/	24	Full Marks: 10	
nstruction	s:				
1. Atte	empts all the Questions				
2. Ove	rwriting means Cance	llation of question.	2.7	Set: C	
1. Which	h of the following is 1	NOT a characteristic	of MLQ scheduling	? [1mark]	
	ch queue has its own scl			nently assigned to processes	
c) Pro	ocesses can move betwe	en different queues	rent queues d) System administrators define queue prioritie		
) O TO					
2. 2. The s	spawning of process m	eans			
*****				[1mark]	
.3. The re	egister		includes t	he instruction address	
con	dition code, and other i	nformation to control in	nstruction sequencing ar	nd to determine the	
stat	e of the CPU.		ion a soul or of a soul of	[1 Mark]	
. 4. Thr	ead shares with other the	reads belonging to the	same process its	[1 Mark]	
	(a) code section	and data section	(b) progra	am Counter	
	(c) register set	and stack	(d) thread	id	
	Process P1 P2	Arrival Time 0 5	CPU Burst Time 11 28	Priority 2 0	
	P2	5	28	0	
	P3	12	2	3	
	P4	2	10		
	P5 swer the following que	9	16	4	
Dra Scl	tw the Gantt chart and theduling algorithms. (a) Priority (Pr	calculate the average reemptive) Scheduling on Preemptive) Sched	g algorithm duling algorithm	[2marks] [2marks]	
"Li dea Eq. a lo	u and Layland (19 dline overruns if the (7.4) exceeds	73) have shown the total fraction of, where <i>m</i> i, which implies may not be able	nat RM scheduling CPU time used by s the number of pro- ies that if an applicate to achieve more t	may not be able to avoid the processes according accesses. This expression had along number thanpercent Claurks]	
Fa	(7.4)		Σ	$\frac{x_j}{x_j} \leq 1$	