BIRLA INSTITUTE OF TECHNOLOGY DEOGHAR CAMPUS QUIZ: FIRST

Name :			Roll. No:		
SUBJ	Time: 50 minutes				
Sem.:	IVth	Branch: CSE	Session: SP/2	24	Full Marks: 10
	ictions: Attempts al	l the Questions.			
	-	g means Cancellatio	on of question.		Set: A
	The two states	s named as:		l to disk. And this <i>susp</i>	pends state is divided into [1mark]
1	a) MLQ allow b) MLQ does c) MLQ uses a	not allow movement	between queues, between queues, lgorithm for all queues	while MLFQ does not	
Q.3.		of the next instruction		by the current process	is provided by the [1 Mark]
Q. 4.	Thread share	es with other threads thread id	belonging to the s (b)	<u> </u>	[1 Mark]
	· ,	register set and sta	` '	code section and dat	a section

Q. 5. Suppose that the following processes arrive for execution at the times indicated. Each process will run the listed amount of time.

Process	Arrival Time	CPU Burst Time
P1	0	7
P2	1	5
P3	2	3
P4	3	1
P5	4	2

Answer the following questions:

Draw the Gantt chart and calculate the average Turn-around time for the following Scheduling algorithms.

(a)	Shortest Remaining Time (Preemptive SJF) Scheduling algorithm	[2marks]
(b)	Round Robin scheduling algorithm.	[2marks]

Q. 6. Consider the problem of scheduling the following sets of tasks (assume that all tasks arrive at time 0).

Task	Period	Execution Time
A	20	5
В	60	10
С	40	10
D	30	5