

Punjab University College of Information Technology
University of the Punjab

CMP-325 Operating Systems

BCSF14 MORNING (Term Fall 16) Student ID: _____

Quiz 04

Time: 15 mins

Marks: 10

Quiz will be cancelled if any student is found looking at his/her neighbor's paper or writing after the expired time.

QUESTION # 1

[5+5 mks]

A. Draw the graph and compute finish time of following processes using **Preemptive** Priority Based Algorithm.

<u>Process</u>	<u>Arrival Time</u>	<u>Burst Time</u>	<u>Priority #</u>
P0	0	7	15
P1	3	9	3
P2	6	5	1
P3	8	12	16
P4	9	6	14
P5	11	4	-1

B. Draw the graph for the following processes using **MLFB** Queue Scheduling algorithm.

Q1 - RR - Two time quantum of 20 units each

Q2 - RR - One time quantum of 30 units each

Q3 - FCFS-

<u>Process</u>	<u>Arrival Time</u>	<u>Burst Time</u>
P1	10	100
P2	50	120
P3	60	180
P4	65	110
P5	80	70