

COMSATS University Islamabad, Lahore Campus

Assignment #1 - FALL 2020

Course Title:	Operating Systems		Course Code:	CSC322	Credit Hours:	3(2,1)	
Course Instructor:	Dr. Hasan Jamal		Programme Name:	BCS			
Semester:	Batch:		Section:		Date:	15/10/202	0
Deadline:	15/10/202	15/10/2020 before 4:00 PM		Maximum Marks:		10	
Name				Student ID			

Important Instructions / Guidelines:

- Fill in the answers in the table given and submit the assignment on Google Classroom
- No late submission allowed
- Any solution found to be copied would strictly result in zero marks

Question: [Marks: 8 + 2]

For the table given below, construct a table to show the states of all the three processes at each time slice and determine the completion time for each process. The process is scheduled to run (is in ready state) as soon as it arrives. The CPU time slice is 15 seconds.

Process	Burst Time	Start/Arrival Time
P1	60 sec	10 sec
P2	45 sec	0 sec
Р3	45 sec	8 sec

The I/O operations for each process are described as follows:

P1 does an I/O for 10 sec at 45

P2 does an I/O for 30 sec at 60

P3 does an I/O for 30 sec at 105

Solution:

Time Instant	P1	P2	Р3
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