

Instructions

Please read the following instructions carefully before submitting assignment:

It should be clear that your assignment will not get any credit if:

- The assignment is submitted after due date.
- The submitted assignment does not open or file corrupt.
- The assignment is copied.
- There is not mentioned the student Id in the assignment File or name of file is other than student ID.

GOOD LUCK

Marks: 20

Question 1:

There are six processes given below with their run time units. Assume that all processes arrive in numerical order at time 0 then answer the questions given below:

Process ID	CPU Requirements
P ₁	5
P ₂	4
P ₃	7
P ₄	1
P ₅	8
P ₆	10

Show the scheduling order for these processes under **first-come-first-served**, **shortest-job first**, and **round-robin scheduling (quantum = 4)**.

Question 2:

There are two processes that could take place even at the same time. One process helps in getting amount from the ATM and the second helps in depositing the money in the bank account through a cheque. You ensure mutual exclusiveness by using semaphore with wait and signal operations. Write pseudo-code or algorithm for these two processes.

Uploading Instructions:

Upload your assignment as a word file. It should have name [YourRollNo.doc]

Deadline

Your assignment must be uploaded/submitted at or before 1st June 2012