



Assignment No. 04
SEMESTER SPRING 2012
CS604- Operating System

Total Marks: 20
Due Date: 18th June 2012

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:

Suppose we have a system with three processes P3, P4 and P5 and ten resources of the same type (e.g. magnetic tapes). The three processes have declared maximum simultaneous resources requirements and current allocation as given in the following table.

Process	Max Need	Current Usage
P3	8	3
P4	5	1
P5	8	2
Available resources = 4		

What is the sequence of allocations to each process (up to their maximum needs) which will allow all processes to finish in a safe state?

Question 2:

Write a code or pseudo code by using monitor

- i) To deposit money in a bank account
- ii) To withdraw money from a bank account.

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 18th June 2012