Student Name : _____   ID : _____

Student Name : _____   ID : _____

Part A)

1. What is the difference between long term and short term scheduling?

2. With a diagram explain the state changes of a process?

3. There are 6 jobs such that:

Job #   Execution Time(in secs)

Job 1   10

Job 2   30

Job 3   90

Job 4   12

Job 5   15

Job 6   60

Assume time slice is 1sec and context switch time is 0 secs. Complete the below table:

Job	Length	Completion Time			Wait Time		
		FCFS	RR	SJF	FCFS	RR	SJF

Part B)

I) Write a small program to fork a child process and print the process id of itself and its parent

II) Write a code snippet to fork a child process. The child process executes ls command and the parent waits for the child to complete execution after which the parent exits.