

Q1) Name 3 Operating systems (System software)

1. ....
2. ....
3. ....

Q2) Name 3 software applications

1. ....
2. ....
3. ....

Q3) List the main functions of an operating system

1. ....
2. ....
3. ....
4. ....
5. ....

Q4) According to the CPU Scheduling (figure below), answer the following questions



1. In which state the CPU is allocated?

.....

“The CPU has many slots. it waits for the process to arrive and take one of the CPU slots”

2. Write the states ( the path ) when you double click on a word document.

.....

3. Is it **preemptive** or **non-preemptive**?

.....

4. You want to open an excel sheet, but when you do so the laptop suddenly switch off. Write down the states in which your excel sheet will go through. Is it preemptive or non- preemptive?

.....

.....

.....

CPU Scheduling algorithm.

How will the CPU choose the process to execute? NOW you will know

Look at the table below:

Burst time (execution time)	Arrival time	Process name
4 second	0	Open ppt
2 seconds	5	Change excels sheet name
4 seconds	2	Increase the time by 1 second

Q1) According to First Come First Serve CPU Scheduling algorithm, order the process in which they are going to be executed first. And mention is it **preemptive** or **non-preemptive**?

1.

2.

3.

**preemptive** or **non-preemptive**?

Q2) According to Shortest Job First CPU Scheduling algorithm, order the process in which they are going to be executed first And mention is it **preemptive** or **non-preemptive**?

1.

2.

3.

**preemptive** or **non-preemptive**?

Q3) According to 3 time slot Round-Robin Scheduling algorithm, order the process in which they are going to be executed first And mention is it **preemptive** or **non-preemptive**?

“you have to think carefully”

**preemptive** or **non-preemptive**?