CS & IT ENGINEERING

Operating System

Intro & Background

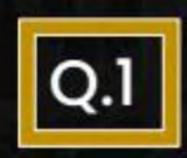**DPP 01 Discussion Notes**

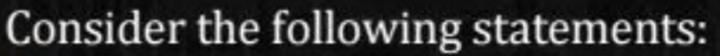By- Anjnee Bhatnagar ma'am

TOPICS TO BE COVERED

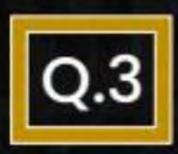01 Question

02 Discussion

Q.1 Consider the following statements:

(i) Operating system implementation has architectural constraints.

(ii) Operating system is a set of utilities.

Which of the following is true?

[MCQ]

A. Only (i) is correct.

B. Only (ii) is correct.

C. Both (i) and (ii) are correct.

D. Neither (i) nor (ii) are correct.

Q.2 Operating system working on strict deadlines are _____.

[MCQ]

A. Time – sharing OS.

B. Real – time OS.

C. Network operating system.

D. Centralized OS.

Q.3 What is/must be the primary goal for hard real time operating system?

[MCQ]

A. Robustness.

B. Reliability.

C. Efficiency.

D. Convenience.
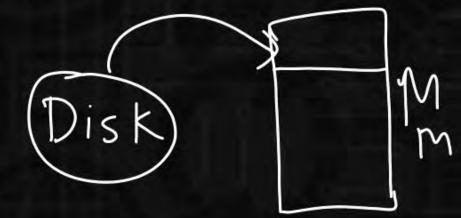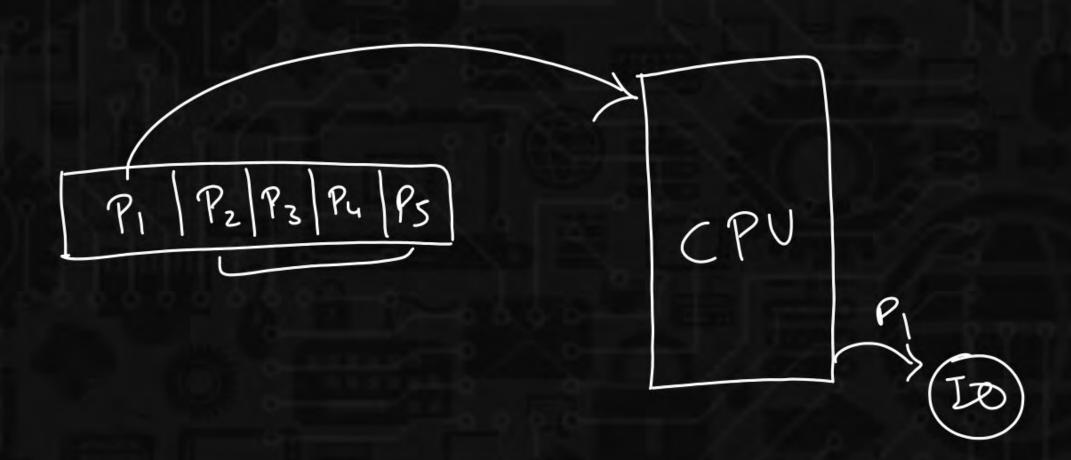
Real time OS

Hard RTOS

soft RTOS

Q.4 Which of the following statement is/are correct?

[MCQ]

A. During Booting, OS is loaded into disk from main memory.

B. The area of memory where OS is stored, is known as system area.

C. Uni-programming can load and execute a single program in memory.

D. Uni-programming suffers from idleness of CPU.

P₁ | P₂ | P₃ | P₄ | P₅

CPU

P₁

I/O

Q.5 Throughput is _____.

A. Executing multiple programs in memory.

B. Total number of programs completed per unit time.

C. Total number of programs loaded into main memory.

D. None of the above.

Q.6 Pre-emptive processes have _____.

A. Forceful deallocation.

B. Better response time.

C. Both (a) and (b).

D. None of the above.

Q.7 Consider the following statements:

(i) Non-preemptive process can lead to starvation. [MCQ]

(ii) Non-preemptive process has good response time. ✗

(iii) Non-preemptive process can release CPU voluntarily.

Which of the following is correct?

A. (i) and (ii) are correct.

B. (ii) and (iii) are correct.

C. (i) and (iii) are correct.

D. All (i), (ii) and (iii) are correct.

Q.8 Function of operating system includes _____.

[MCQ]

A. Resource Management.

B. Reliability.

C. Security.

D. Control over system performance.