Operating Systems Quiz 1 (P Section)

Total points   11/15   ?

The respondent's email (**atharva_vinod@srmap.edu.in**) was recorded on submission of this form.

0 of 0 points

Student Name *

Atharva Narkhede

Student Register Number *

AP21110011028

Quiz   **11 of 15 points**

✓   A computer cannot "boot" if it does not have *   1/1

( ) Assembler

(●) Operating system   ✓

( ) Complier

( ) Loader

✓ _____ is the program run on a computer when the computer boots up *1/1
.

○ System Software

● Operating System   ✓

○ System Operations

○ Compiler

✗ Starvation problem not exists in the following algorithms? *   0/1

○ Round Robin

● SJF   ✗

○ Priority

○ Round Robin and SJF

Correct answer

● Round Robin

✕ which of the following scheduling algorithm obtained the optimized   *0/1
   average response time?

○ FCFS

◉ SJF   ✕

○ Priority

○ Round Robin

Correct answer

◉ Round Robin

✓ When a peripheral device needs immediate attention from the operating *1/1
   system, it generates ----------

◉ an Interrupt   ✓

○ a Spool

○ a Stack

○ a Page file

✓ Which of the following is a System Software *   1/1

○ Operating System

○ Compiler

○ Utilities

◉ All the above   ✓

✓ Let all the five processes are arrived at time 0, in the order given, with   *1/1
the length of the CPU burst given in milliseconds :Process   Burst
Time of P1 is 10, P2 is 29, P3 is 3, P4 is   7 and P5 is 12. What is the
average waiting time in milliseconds using FCFS Scheduling algorithm?

○ 20

○ 24

◉ 28   ✓

○ 32

✗ which of the following scheduling algorithm obtained the optimized   *0/1
average waiting time?

○ FCFS

◉ SJF   ✗

○ SJRTF

○ Round Robin

Correct answer

◉ SJRTF

✓ What is the name of the operating system that reads and reacts in terms of actual time? *1/1

◉ Real time system ✓

○ Time sharing system

○ Quick response system

○ Batch system

✓ The primary purpose of an Operating System is * 1/1

○ To allow people to use the computer

○ To make computers easier to use

◉ To make the most efficient use of the computer hardware ✓

○ To keep systems programmers employed

✗ Convoy Effect problem occurred in the following scheduling algorithms * 0/1

○ FCFS

◉ SJF ✗

○ Round Robin

○ None of the above

Correct answer

◉ FCFS

✓ The Basic Input Output System (BIOS) resides in a)   RAM   b) ROM   c) *1/1
The CPU   d) Memory Cache

○ RAM

◉ ROM   ✓

○ CPU

○ Memory Cache

✓ Which of the following is not the criteria of CPU scheduling algorithms? * 1/1

○ Maximize the CPU Utilization

○ Maximize the throughput

○ Minimize the average waiting time

◉ Maximize the average response time   ✓

✓ Let all the five processes are arrived at time 0, in the order given, with   *1/1
the length of the CPU burst given in milliseconds :Process   Burst
Time of P1 is 10, P2 is 29, P3 is 3, P4 is   7 and P5 is 12. What is the
average waiting time in milliseconds using SJF Scheduling algorithm?

○ 10

◉ 13   ✓

○ 15

○ 17

✓ Let all the five processes are arrived at time 0, in the order given, with   *1/1
the length of the CPU burst given in milliseconds :Process   Burst
Time of P1 is 10, P2 is 29, P3 is 3, P4 is   7 and P5 is 12. What is the
average waiting time in milliseconds using RR (time quantum is 10
milliseconds) Scheduling algorithm?

○ 20

◉ 23 ✓

○ 25

○ 21

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