8/31/23, 4:38 PM CSE316\_Quiz05

C:	<b>UIZIZZ</b>	N	AME :		
		CLASS:			
CSE316_Quiz05 11 Questions		DATE :			
1.	Which of the following information is stored in a Process Control Block (PCB)?				
Α	The process's priority	В	The process's ID		
С	All of the above	D	The process's physical address		
2.	What is the role of Instruction Register during process execution?				
Α	It stores the address of the next instruction to be executed	В	It stores the data being processed		
С	It stores the result of the computation	D	It stores the instruction currently being executed		
3.	What is the purpose of the "Blocked" (or "Waiting") state in the process lifecycle?				
Α	The process is being terminated.	В	The process is currently executing its instructions.		
С	The process is waiting for an external event to occur.	D	The process has finished its execution.		
4.	Which of the following is NOT a valid process state in most operating systems?				
Д	Terminated	В	Running		
С	Waiting	D	Queued		
5.	In a multitasking operating system, which state does a process enter after it has finished its execution?				
Α	Blocked.	В	Terminated.		
С	Ready.	D	Running.		
6.	Which component of a PCB contains information about the current status of the CPU registers and program counter for a process?				
Α	Process ID.	В	Stack Pointer.		
С	CPU Scheduler.	D	Context Data.		

7.	In a multitasking operating system, what does the term "context switch" refer to?				
Α	Swapping a process's code with another process's code.	Switching the CPU from executing one process to executing another.			
С	Changing the state of a process from "Blocked" to "Ready."	Changing the process's priority in the system.			
8.	What is a Process Control Block (PCB)? a) A printed circuit board used in computers.				
Α	A data structure used by the operating system to manage information about a process.	A piece of hardware that manages peripheral devices.			
С	A component responsible for connecting processes to the network.	A printed circuit board used in computers.			
9.	In a multitasking operating system, when a process is in the "Ready" state in the process lifecycle. What does it mean?				
Α	The process is currently running on the CPU.	The process is waiting to be assigned to a CPU.			
С	The process is waiting for a specific event to occur.	The process has finished its execution.			
10.	Which of the following information is typically stored in a PCB?				
Α	The source code of the process.	The process's execution speed.			
С	The size of the process's executable file.	Process state, program counter, CPU registers, and process priority.			
11.	What does the program counter (PC) within a PCB indicate?				
Α	The process's position within the system queue.	The address of the next instruction to be executed for the process.			
С	The total time the process has been running.	The process's current execution state.			
Answer Key					

 1. c
 2. d
 3. c
 4. d

 5. b
 6. d
 7. b
 8. a

 9. b
 10. d
 11. b