L2910-5335 Quiz 1

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TOTAL POINTS

6 / 10

QUESTION 1

1 1 / 2

> ✓ **- 1 pts** Incorrect - single answer (e) System program
> is correct

QUESTION 2

2 1 / 2

> ✓ **- 1 pts** Only (b) is false - (d) is true

QUESTION 3

3 1 / 1

> ✓ **- 0 pts** Correct

QUESTION 4

4 1 / 1

> ✓ **- 0 pts** Correct

QUESTION 5

5 2 / 4

> ✓ **- 2 pts** A policy describes what to do, whereas a
> mechanism is how to do it

Quiz #1
COMP.3080 – Operating Systems
Fall 2019 – Dr. Wilkes

1. **(multiple choice)** (2 points) What is software that comes with the operating system, but is not a core component of the operating system called? (Recall that core components of the operating system are those components that run continuously as long as the operating system is running.)
   - (a). Application programming interface (API)
   - b. Controller
   - c. Kernel
   - d. Root
   - (e) System program
   - f. None of the above

2. **(multiple choice)** (2 points) Which of the following statements concerning privileged instructions is **false**?
   - (a.) They can be executed directly in kernel mode.
   - (b.) They can be executed directly in user mode.
   - (c.) They can be used to manage interrupts.
   - d. They may cause harm to the system.
   - e. None of the above

3. **(true/false)** (1 point) A microkernel is a kernel that is stripped of all nonessential core
   T components.

T 4. **(true/false)** (1 point) A system call is triggered by software.

5. **(short answer)** (4 points) Briefly explain the difference between **policy** and **mechanism** in operating system design and implementation.

Policy	Mechanism
OS design: the rule to call API, Software	* perform instruction to the kernel
Implementation: — Depends on the function calls	* Comes with OS since installed