

Quiz 1

OPERATING SYSTEMS, FALL 2017

NAME:_____ ROLL#:_____

Instructions: Time for the quiz is 10 minutes.

Total marks: 20

Problem 1 (2 points): The other name of a resource allocator in a computer system is **OS**

Problem 2 (2 points): A personal computer does not do anything productive until the user generates an **Interrupts**.

Problem 3 (2 points): **Fetch-Execute** cycle lies at the core of computing machinery.

Problem 4 (2 points): The device controllers are connected to the CPU and Memory using **Buses** .

Problem 5 (2 points): **Kernel** always resides in the memory, when a computer system is running.

Problem 6 (2 points): In the result of an interrupt the address of Interrupt Service Routine is reached through **IVT**

Problem 7 (2 points): **DMA** is responsible for executing transfer between I/O and memory.

Problem 8 (2 points): In order to interact with the Unix operating system and the underlying hardware one must use the **System Call** interface.

Problem 9 (2 points): Micro kernel architecture has three modules inside the kernel: (1) memory management (2) CPU scheduling and (3)**IPC**.

Problem 10 (2 points): Pointer to the arguments of a system call are passed using the kernel stack or a **register**.
