

## NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES

## CS2006 - Operating System Fall 2023

ID: Quiz #: 1 Marks: 10	Name: Instructor: Sanaa Jeehan Date: 14 <sup>th</sup> September, 2023	
	t the mode in which it is running? tus Register (or Flag Register or Program Status Word o	(2) or
• • • •	r Interrupts.  tem will get control after certain amount of time. It is crand OS's chance to poll hardware.	<b>(2)</b> ucial for
In mode switch, the mode of it is done in order to execute	en Mode Switch & Context Switch?  CPU is changed from Kernel to User to User to Kerne a high privileged instruction. Context switch on other has from running to either blocked or ready, and bringing anning.	and is
There are two ways of doing		(3)
	his method, an already running process can be cloned i s, called the child, will have access to same memory of the	

parent process. Both Parent and child processes will continue to run.

handing over the necessary allocations to the child process.

• Execve(): This method can be used to create a totally new process with new

memory allocation. The method from which execve() is called will be ended after