**Avdon Racki – 100661246 – OS Cheat Sheet**

1)When a process creates a new thread using the pthread\_creat() operation, which of the following states is shared between the parent process and the new thread?

**All of the others**

2)  The \_\_\_\_\_\_\_\_\_ is the less-privileged mode.

**user mode**

3)  A \_\_\_\_\_\_\_\_\_ is a single execution path with an execution stack, processor state, and scheduling information.

**Thread**

4)  A \_\_\_\_\_\_\_\_\_\_ is an entity corresponding to a user job or application that owns resources such as memory and open files.

**process**

5)  A thread enters the \_\_\_\_\_\_\_\_\_ state, if it is ready to run but the resources are not available.   
**Waiting**

6)  The \_\_\_\_\_\_\_\_\_\_ state is when the thread has terminated.

**zombie**

7)  The \_\_\_\_\_\_\_\_\_ are the fundamental entities that can be scheduled and dispatched run on one of the system processors.

**Kernel threads**

8)  The management of multiple processes within a uniprocessor system is \_\_\_\_\_\_\_\_\_\_.

**Multiprogramming**

9)  The requirement that when one process is in a critical section that accesses shared resources, no other process may be in a critical section that accesses any of those shared resources is \_\_\_\_\_\_\_\_ .

**mutual exclusion**

10)  A means for two processes to exchange information is with the use of \_\_\_\_\_\_\_\_\_ .

**messages**

11)  A \_\_\_\_\_\_ occurs when multiple processes or threads read and write data items so that the final result depends on the order of execution of instructions in the multiple processes.

**racecondition**

12) \_\_\_\_\_\_\_\_ is when the sequence of instruction is guaranteed to execute as a group, or not execute at all, having no visible effect on system state.

**Atomic operation**