



**Quiz: [1]**

**Date:** 27 Feb 2024

**Name:** \_\_\_\_\_

**Roll No:** \_\_\_\_\_

Evaluation of CLO	Question Number	Marks	Obtained Marks
<b>CLO1: Understand the characteristics of different structures of the Operating Systems and identify the core functions of the Operating Systems.</b>	1	1.5	
	2	1	
<b>Total Marks</b>		<b>2.5</b>	

**Question – 1:**

- Draw the operating system's seven state transition diagram.
- Suppose there are four processes (A, B, C, and D) in which process takes 5 units, B takes 3 units, C takes 2 units, and D takes 6 units of time for execution. Only process D starts its execution at zero unit of time, process B starts at 3 units of time, process C must execute exactly one unit before the completion of process D's execution, and process A must execute after one unit of time of process B's execution.
  - Illustrate the processes execution sequence with respect to the given execution time.
  - Is there any time frame in which all the processes are executed concurrently? If yes, then mention that time frame, otherwise justify your answer in your own words.

**Do your own work, some One is watching!**

*Best of Luck* 