East West University
Department of Computer Science and Engineering
Course Title: Operation Systems, Course code: CSE325 Sec 2
Spring 2022, Quiz 1, Total Mark: 10, Time: 25 Minutes, Set A

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Answer all the following questions.

Name: Id: Sec: Roll:

	Marks
Q1. Non maskable interrupt does check the status of the IE flag before interrupt. True/False	1
Q2. Why do we need PCB?	1
Q3. Before I/O operations the processes wait in a) Job queue b) Ready queue c) Device queue d) None of them	1
Q4. Dynamically created variables are resided in a) Code segment b) Data segment c) Heap segment d) None of them	1
Q5. A process is in _____ when it is waiting to be assigned to a processor for execution.	1
Q6. There are three processes namely P1, P2, and P3. Input, output, and the CPU burst time of the processes (in milliseconds) are given in the following table.	5

	P1	P2	P3
Input	7	11	4
CPU burst time	11	12	15
Output	7	8	5

    a) Illustrate the graphical representation of the processes' execution in Time Shared processing (8 ms quantum is given for each operation)

    b) Calculate the total execution time of the processes