

# East West University

Department of Computer Science and Engineering

Course Title: Operation Systems, Course code: CSE325 Sec 1

Spring 2022, Quiz 1, Total Mark: 10, Time: 20 Minutes, Set A

Instructor: Dr. Md. Nawab Yousuf Ali

Answer all the following questions.

Name: \_\_\_\_\_ Id: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll: \_\_\_\_\_

- |     |  | Marks |
|-----|--|-------|
| Q1. | Maskable interrupt occurs when IE flag becomes 1. True/False   | 1     |
| Q2. | How buffer can improve the performance of a computer system?   | 1     |
| Q3. | The process is waiting to be assigned to a processor in the following state.<br>a) New b) Ready c) Running d) Waiting  | 1     |
| Q4. | External or static variables for processes are resided in<br>a) Code segment b) Data segment c) Heap segment d) Stack segment                                  | 1     |
| Q5. | Processes are in _____ when they are waiting for I/O services.   | 1     |
| Q6. | There are four processes namely P0, P1, P2, and P3. Input, output, and the CPU burst time of the processes (in milliseconds) are given in the following table. | 5     |

	P0	P1	P2	P3
Input	7	11	4	8
CPU burst time	11	12	15	13
Output	7	8	5	9

- Illustrate the graphical representation of the processes' execution in Batch processing
- Calculate the total execution time of the processes