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|  | **BAHRIA UNIVERSITY, (Karachi Campus)**  *Department of Software Engineering*  **Quiz 1 - Fall 2023** |  |

Course Title: **Computer Architecture and Logic Design** Course Code**: [CEN 220]**

Class: **BSE-3 (B)** Shift: **Morning**

Course Instructor**: Engr. Ramsha Mashood** Time Allowed:  **20 min.**

Date: **12-10-2023** Max. Marks: **2.5 Marks**

Name of Student & Enrollment No:

**Question No. 1** Define MIPS Rate **[CLO1: 1 Marks]**

**Question No. 2** Suppose you have a program that takes 100 seconds to run on a single processor. After analyzing the program, you determine that 60% of the program can be parallelized, but the remaining 40% is sequential and cannot be parallelized. If you parallelize the 60% portion, how much faster will the program run if you use 5 processors? **[CLO3: 1.5 Marks]**