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|  | **BAHRIA UNIVERSITY,**  **(Lahore Campus)**  *Department of Computer Science*  **QUIZ# 01– Spring 2024** |

COURSE TITLE: **Compiler Construction**  COURSE CODE: **CSC-323**

Class: **BSCS- 5A** Shift: **Morning**

CLO#: **1- Understand**

Course Instructor: Dr. Hajra Masood

Time Allowed: **30 minutes**

Date: **11th March 2024**

Max. Marks: **2.5 Points** Marks Obtained:

**Name: Reg No:**

**Question 1:**

List different phases of compiler construction in sequence.

**(0.5 mark)**

**Question 2:**

Define "Tokens" in Lexical Analysis. Give an example of any three types of tokens.

**(0.5 mark)**

**Question 3:**

Convert the following equation into Tokens []

**(0.5 mark)**

**Question 4:**

Design a parse Tree of the equation mentioned in question 3.

**(0.5 mark)**

**Question 5:**

Make a Symbol table for the equation mentioned in question 3. Suggest code optimization concerning parse tree.

**(0.5 mark)**