|  |  |
| --- | --- |
|  | **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: **25th March 2024**

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

**Name: Reg No:**

**Question 1:** Discuss two phases of compiler?

**(0.5 mark)**

**Question 2:** Explain qualities of good compiler?

**(0.5 mark)**

**Question 3:** Identify the static and dynamic semantic error from the following list of errors.

**(0.5 mark )**

1. Every variable is declared before being used.
2. Checking function call arguments.
3. Array subscript values are within bounds.
4. Arithmetic errors, e.g. division by zero.
5. Pointers are not dereferenced unless pointing to valid object.

**Question 4:** Explain ambiguous grammar with example.

**(0.5 mark)**

**Question 5:** Discuss role of associativity and precedence in unambiguous grammar.

**(0.5 mark)**