**COMSATS University Islamabad Sahiwal Campus**

**(Department of Computer Sciences)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Title:** | Object Oriented Programing | | | | **Course Code:** | | CSC241 | | **Credit Hours:** | 4(3,1) |
| **Course Instructor:** | Ali Sher Kashif | | | | **Programme Name:** | | | BS (CS) | | |
| **Semester:** | 3rd | **Batch:** | FA23 | **Section:** | E | | | **Date:** | 19-09-2024 | |
| **Time Allowed:** | 20 minutes | | | | **Maximum Marks:** | | | | 10 | |
| **Student’s Name:** |  | | | | **Reg. No.** | CUI/ /SWL | | | | |

**Quiz # 01**

**Question 1: (10 Marks) CLO-4: Applying**

**Time Class Implementation**

**Develop a class named Time that contains three data members: hours, minutes, and seconds. Implement two constructors: one default constructor and one parameterized constructor, ensuring that both constructors validate the input values to maintain valid time formats. Additionally, create a function named display() that outputs the values of all three data members in a properly formatted time representation.**