 **COMSATS University Islamabad, Lahore** **Campus**

**Lab Assignment 1– SPRING 2020**

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| Course Title: | | Microprocessor and Assembly Language | | | | | | Course Code: | | CSC321 | Credit Hours: | 3 (2,1) |
| Course Instructor/s: | | Sheeza Zaheer | | | | | | Programme Name: | | BCS | | |
| Semester: | | 6 | | Batch: | FA17 | | Section: | A, B | | Date: |  | |
|  | |  | | | | | | **Maximum Marks:** | | | **10** | |
| Student’s Name: | |  | | | | | | Reg. No. |  | | | |
| **Important Instructions / Guidelines:**.   * **Cheating will result in negative marking**. | | | | | | | | | | | | |
| **Q1** | **Q2** | | **Total** | | |  | | | |
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**Question 1:** Use ROL to count and display the number of 1 bits in BX, without changing BX. **[5]**

**Question 2:** Write a program to reverse bit pattern of the contents of AL register. **[5]**