Date: 14 June 2017

Ahsanullah University of Science & Technology

Department of Computer Science and Engineering

Course No. : **CSE 3107**

Course Name: **Microprocessor**

**Quiz #1**

Time:30 minutes Full Marks: 10

ID:…………………………………

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| 1. | Suppose the following instruction is stored in 8085 memory starting from A0FA.   |  |  | | --- | --- | | Instruction | Hex code | | INR M | 34 |  1. Now draw the timing diagram for execution of the instruction. 2. Calculate the execution time for memory read operation if the clock frequency is 2 MHz. | [6+1] |
| 2. | Consider the following code of delay loop of 8085:  MVI **C, COUNT**  **DELAY DCR C**  **NOP**  **JNZ DELAY**  Now calculate the value of **COUNT** so that a total of 2.261ms delay is produces. Assume that the clock frequency of 8085 is 2MHz. | [3] |