# COMPUTER SCIENCE
## MILITARY COLLEGE OF SIGNALS, NUST
## OPERATING SYSTEM
## BESE-14 (A&B)

**Exam**:            (Quiz 1)                    **Instructor**: Dr. Sanam Shahla Rizvi
**Type of Paper:**   (Regular)                   **Total Marks**:        30
**Semester**:        (Fall)                      **Time Allowed**:    20 minutes

**Note:**
1. Attempt all questions.
2. All question carry equal marks.
3. Please attach the question paper with you answer sheet

**Question .No.1**                                                              **(10)**
List and briefly explain classes of interrupts.

**Question .No.2**                                                              **(10)**
Define the flow of simple interrupt processing.

**Question .No.3**                                                              **(10)**
Show the execution of following program.

|     | Memory | CPU Registers |     |
|-----|--------|---------------|-----|
| 200 | 1740   | 200           | PC  |
| 201 | 5741   |               | AC  |
| 202 | 2741   | 1740          | IR  |
| 740 | 0005   | 0001=Load AC from memory |
| 741 | 0003   | 0010=Store AC to memory |
|     |        | 0101=Add to AC from memory |