



KLEF
KONERU LAKSHMAIAH EDUCATION FOUNDATION
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(NAAC Accredited 'A++' Grade University)

Name of the course : **Computer Organization & Architecture**
Academic Year/ Semester : **2021 – 2022 / II semester**
Evaluation component : **Home Assignment**

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Home Assignment: 1 **CO1**

- Q1.1** Illustrate the *Direct*, *Register indirect* and *implied addressing* modes with suitable examples.
- Q1.2** Identify which addressing modes do the following instruction belong:
1. MOV AX, [SI]
 2. INC [5000H]
 3. SUB AX, BX
 4. XOR AX, [5000H]
 5. XCHG AX, BX
 6. PUSH DS
 7. OUT 03H, AL
 8. INC [BX]
- Q1.3** What is subroutine? How to handle subroutine calls using stack.
- Q1.4** Classify different Instruction Formats (Zero, One, Two and Three Address Instruction) with suitable examples.
- Q1.5** Illustrate the Arithmetic, Logical, Branch and Control instructions with suitable examples.