**CSE- 311 , Microprocessors and Assembly language**

**Class Test # 2, Marks= 25 minutes (Upload 20 minutes)**

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| **1.** | **Find out the addressing modes of the following instructions both source and destination:**   1. MOV AX, BX 2. CMP AX, A 3. CLC 4. ADD AX, A[BP] 5. MOV AX, A[SI][BX] 6. ADD AX,BX 7. MUL BL 8. SUB AX, [BX] | **8** |
| **2.** | **Calculate the Physical address for the following memory operands, found in the above question #1 :**  Write your mobile number,  Where,  DS= First 4 digits of your phone number  SS= Last 4 digits of your phone number  CS= = Middle 4 digits of your phone number  ES= 0234H , SI= 0978H, BX= 0099H , BP= 0045H, A=12H | **8** |
| **3.** | **Write down the advantages of memory segmentation.** | **4** |