B.C.A. Semester-V (Honours) Examination, 2022-23

BACHELOR OF COMPUTER APPLICATION

Course ID : 53326　　　　　**Course Code : BCA-DSE-01**

Course Title : Introduction to Microprocessor & System Software (Lab)

Time : 2 Hours　　　　　　　　　　　Full Marks : 30

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

Perform any **one** from the following:　　　15×1=15

1. Write an Assembly Level programming in 8085 to add two 8-bit numbers.

2. Write an Assembly Level Programming in 8085 to transfer a set of 10 numbers stored in memory location E000-E009 to E030 to E039 location in reverse order.

3. Write an Assembly Level Programming in 8085 to shift an 8-bit number left by one bit.

4. Write an Assembly Level Programming in 8085 to find the 1's complement of an 8-bit data.

5. Write an Assembly Level Programming in 8085 to find the maximum of a bock of 10 elements stored from 2022H.

GROUP-B

Perform any **one** from the following:　　　15×1=15

1. Write an Assembly Level Programming in 8085 to subtract of two 16 bit numbers.

2. Write an Assembly Level Programming in 8085 to mask off most significant 4 bits of an 8 bit number.

3. Write an Assembly Level Programming in 8085 to find square root of a number.

4. Write an Assembly Level Programming in 8085 to arrange a data array in ascending order.

5. Write an Assembly Level Programming in 8085 to find the number of 1's present in memory location 2000H.

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