BCSL-022 (Set-2)

BACHELOR OF COMPUTER APPLICATIONS
BCA (REVISED)
Assembly Language Programming Lab

Duration : 1 hour   Maximum Marks : 50

Note : 1. There are two compulsory questions of 20 marks each in this paper. Rest 10 marks are for viva-voce.

    2. Use any assembler or emulator of 8086 assembly language to run the programs.

1. Write and run a program using 8086 assembly language, that adds two numbers stored in two consecutive bytes in the memory. The result of the addition should be kept in AL register. Carry bit due to addition, if any, should be stored in AH register.   20

2. Write and run an 8086 assembly language program, that finds the sum of odd placed values out of 10 consecutive byte values, stored in an array in the memory.   20

   For example, if 10 consecutive byte values (in hexadecimal) are: 12, AA, 13, AB, 14, AC, 15, AD, 16, AF; then this program should add only 12, 13, 14, 15 and 16.

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