BCSL-022(Set-I)

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2025

BCSL-022(Set-I) : ASSEMBLY LANGUAGE PROGRAMMING LAB

Time : 1 Hour   *Maximum Marks : 50*

Note : *(i)* *There are two compulsory questions of 20 marks each, in this paper. Rest 10 marks are for viva-voce.*

    (ii) *Use any assembler and emulator of 8086 assembly language to run the programs.*

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1. Write and run a program using 8086 assembly language that performs arithmetic left shift operation (2 times) on AL register and clears the lower four bits of BL register.

       P. T. O.

Make suitable assumptions. Put the following values in AL register and BL register before performing the operations :

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$$AL = 01011110$$

$$BL = 10101100$$

2. Write and run a program using 8086 assembly language that multiplies two byte values stored in two byte locations in the memory. The result of the multiplication should also be stored in some memory locations. 20

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