

**BACHELOR OF COMPUTER  
APPLICATIONS (BCA)**

**Term-End Practical Examination**

**June, 2025**

**BCSL-022(Set-III) : ASSEMBLY LANGUAGE  
PROGRAMMING LAB**

*Time : 1 Hour*

*Maximum Marks : 50*

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*Note : (i) This paper has two compulsory questions of 20 marks each. Rest 10 marks are for viva-voce.*

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

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1. Write and run a program using 8086 assembly language that finds the sum of two byte values stored in two memory locations named A and B. The result of the addition is

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stored in memory location SUM and carry, if any, is stored in memory location C. 20

2. Write and run a program using 8086 assembly language that finds the highest value in a byte array stored in the memory. You may put the following values in the array : 20

20h 25h 15h 35h 10h

You should use looping to write the program.

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