

No. of Printed Pages : 2 **BCSL–022(Set-II)**

**BACHELOR OF COMPUTER
APPLICATIONS (BCA) (REVISED)**

Term-End Practical Examination

December, 2024

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

Time : 1 Hour

Maximum Marks : 50

Note : *There are **two** compulsory questions of 20 marks each in this paper. Rest 10 marks are for viva-voce. Use any assembler or emulator of 8086 assembly language to run the programs.*

1. Write and run a program using 8086 assembly language that perform the following sequence of operations : 20
 - (i) Store binary value 00101100 in AL register
 - (ii) Store binary value 00001100 in BL register
 - (iii) Exchange the value of AL and BL registers

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- (iv) Subtract the value of AL register from BL register
 - (v) Store the result of subtraction in DL register.
2. Write and run a program using 8086 assembly language that finds the average value of 10 consecutive byte values stored in a memory array. The average value should be stored in DX register.

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