

**BCSL-022 (Set-4)**  
BACHELOR OF COMPUTER APPLICATIONS  
BCA (REVISED)  
Assembly Language Programming Lab

Duration : 1 hour

Maximum Marks : 50

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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 an Assembly language program that converts an ASCII string containing decimal digits, stored at three consecutive locations in the memory into equivalent binary number. You may assume that the three locations contains ASCII equivalent of digit 3, digit 4 and digit 5. Output of this program should be stored in AX register. 20
2. Write and run a program using 8086 assembly language that compares the value of AL and BL register. In case value AL register is more than BL, program clears BL register, otherwise it clears AL register. Initially, you can move value '11001010' in AL register and '11001000' in BL register. 20

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