

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

**BACHELOR OF COMPUTER
APPLICATIONS (BCA) (REVISED)
Term-End Practical Examination
December, 2024**

**BCSL–022(Set-IV) : 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 8086 assembly language program that converts any value (between 0 to 9) in the AL register to equivalent ASCII digit and stores it in a memory location. For example, if AL contains (05)_h, then it is converted to equivalent ASCII value and stored in memory. 20

2. Write and run a program using 8086 assembly language that increments each of the values stored in 8 byte locations stored consecutively in the memory. You may assume that these values before incrementing are : 20

(07)_h, (09)_h, (11)_h, (05)_h, (08)_h, (01)_h, (02)_h, (04)_h,
after incrementing these values would become :
(08)_h, (0A)_h (12)_h (06)_h (09)_h (02)_h (03)_h (05)_h.

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