

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

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

Term-End Practical Examination

December, 2024

**BCSL-022(Set-III) : 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 does the following sequence of operations : 20
 - (i) Reads a single alphabet entered using a keyboard.
 - (ii) Stores this alphabet value in a memory location.
 - (iii) Displays this alphabet on the screen.

2. Write and run a program using 8086 assembly language that searches for an alphabet value in an array containing 10 consecutive alphabet values. It outputs in AL register 0 if value is not found or 1 if value is found. For example, a value of alphabet (51)_h if searched in array containing (05)_h, (07)_h, (09)_h, (31)_h, (35)_h, (45)_h, (47)_h, (51)_h, (53)_h, (57)_h will output 1 in AL register.

20

× × × × × × ×