

No. of Printed Pages : 1 **BCSL-045(Set-II)**

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

**BCSL-045(Set-II) : INTRODUCTION TO
ALGORITHM DESIGN LAB**

Time : 1 Hour

Maximum Marks : 50

Note : *There are 2 questions in this paper carrying 20 marks each. Answer both of them. Rest 10 marks are for viva-voce. Programs are to be written in 'C' language.*

1. Write a C program to sort a list of given 10 numbers in descending order using bubble sort. Also, print how many times the 'loop' construct was executed for the given data. 20
2. Write a C program to find the Greatest Common Divisor (GCD) of two numbers given.

20

x x x x x x x