BACHELOR OF COMPUTER APPLICATIONS

(BCA)

Term-End Practical Examination

June, 2025

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

Time : 1 Hour   *Maximum Marks : 50*

Note : (i) *There are **two** compulsory questions.*

(ii) *Each question carries 20 marks.*

(iii) *Rest 10 marks are for viva-voce.*

(iv) *All programs are to be written in 'C' Language.*

1. Write a program to find maximum of 10 numbers and derive its running time complexity by computing complexity of each statement in the program.   20

2. Write a C program to perform quick sort. Write its recurrence and solve it to find the running time complexity. Also write the output of each iteration for data set of 8 numbers that is to be sorted. 20

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