BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

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December, 2017

BCSL-045(P)/S4 : 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)   *The remaining 10 marks are for viva-voce.*

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

1. Write a program to copy a string to another string. Count how many times the assignment operations and loop will execute.   *20*

2. Implement the Insertion Sort algorithm to sort the following array :

   30 15 10 40 5 25 17 27 12 8

   How many times will the inner loop and the outer loop execute ?   *20*