

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00710

Term-End Practical Examination

June, 2017

BCSL-045(P)/S3 : INTRODUCTION TO ALGORITHM DESIGN LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :**
- (i) *There are two **compulsory** questions.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *The rest 10 marks are for viva-voce.*
 - (iv) *All programs are to be written in 'C' language.*
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1. Write a program to calculate the length of a string and calculate the number of times the loop and addition operations will execute. 20

 2. Use Insertion Sort algorithm to sort the following list showing the list obtained at each step :
20 10 5 7 3 30 40 15
Calculate how many swap operations and the loop will execute. 20
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