

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2015

00909

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) *Remaining 10 marks are for viva-voce.*
 - (iv) *Programs are to be written in 'C' language.*
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1. Implement a selection sort algorithm to sort an array of 10 integer numbers :

9 45 35 15 20 5 4 10 19 27

Calculate the number of exchange and comparison operations in best case and worst case.

20

2. Write a program to reverse a string and count how many times the exchange operation and the loop will execute.

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