

**BACHELOR IN COMPUTER APPLICATIONS (BCA)**

**Term-End Practical Examination**

01864

**December, 2013**

**BCSL-045 : INTRODUCTION TO ALGORITHM DESIGN LAB**

*Time allowed : 1 hour*

*Maximum Marks : 50*

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*Note : There are two questions carrying 20 marks each.  
10 marks are for viva-voce.  
Programs are to be written in C-language.*

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1. Write a program to take average of 10 numbers stored in an array. Calculate total number of comparison and addition operations. Also calculate complexity of a program. **20**

2. For the following program, find the time complexity. **20**

For (i=0; i<n; i++)

For (j=0; j<n; j++)

print f ("first + second loop");

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