BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

01313

June, 2013

BCSL-045 : INTRODUCTION TO ALGORITHM DESIGN LAB

Time allowed : 1 hour   *Maximum Marks : 50*

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

1.   Write a program to perform linear search and write run time complexity of each   **20**
     statement.

2.   Find the time complexity of the following program fragment   **20**

     for $(i = 0 ; i < n ; i++)$

     for $(j = 0 ; j < n ; j++)$

     for $(k = 0 ; k < n ; k++)$

     printf('inner looping statement)