BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00704

Term-End Practical Examination
December, 2014

BCSL-045(P)/S3 : 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)   *10 marks are for viva-voce.*

   (iv)   *Programs are to be written in C-language.*

1.   Write a program and determine the number of comparisons required to locate an element in a list of n items with a linear search. How many times will the loop execute ?

   20

2.   Write a program to organize the data stored in an array in ascending order through selection sort algorithm and calculate the number of comparison operators for best case and worst case.

   20