BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination

00653

June, 2015

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)   Remaining 10 marks are for viva-voce.

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

1.   Write a program to find the m smallest numbers in a list of n numbers. Calculate the number of times the loop and comparison operations will execute.   **20**

2.   Given an array of n distinct integers, determine the location of an integer in an array using a linear search. Calculate the number of times a comparison operation will execute.   **20**