BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

02008

Term-End Practical Examination
June, 2016

BCSL-045(P)/S1 : 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)   *All programs are to be written in C-language.*

1.   Implement a Selection Sort algorithm for sorting the following list of numbers :

17 7 8 15 6 3

Calculate how many times the loop will execute. Count the number of comparison operations made in this program.   *20*

2.   Write a program to calculate the mean value of a set of six integer numbers stored in an array and calculate how many times the loop and addition operations will execute.

The mean of a set of integers is the sum of integers divided by the number of integers in the set.   *20*

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