BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00592

Term-End Practical Examination

December, 2017

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)   *The remaining 10 marks are for viva-voce.*

  (iv)   *All programs are to be written in 'C' language.*

1.   Write a program to evaluate a polynomial using Horner's rule and count how many times the loop will execute.   *20*

2.   Write a 'C' program to perform linear search and apply it to the following set of integers to search for a number 28 :

    9   15   22   5   4   25   28

Calculate the number of comparison operations required.   *20*