

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination
December, 2016

01103

BCSL-045(P)/S2 : INTRODUCTION TO ALGORITHM DESIGN LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :**
- (i) *There are two compulsory questions.*
 - (ii) *Each question carries 20 marks.*
 - (iii) *Rest 10 marks are for viva-voce.*
 - (iv) *All programs are to be written in 'C' language.*
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1. Write a program to search for a number 7 in the following sequence of numbers in an array using Linear search :

2, 3, 5, 7, 12, 15, 17

Calculate the total number of comparison operations in the program. How many times will the loop execute ?

20

2. Write a program that takes as input a list of n different integers and find the location of the smallest even integer in the list or return 0 (zero) otherwise.

20