

**BACHELOR OF COMPUTER APPLICATIONS (Revised)**  
**(BCA)**

00828

**Term-End Practical Examination**

**June, 2016**

**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) *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 10 in the following sequence of numbers in an array :

2, 4, 6, 8, 10, 12, 16

Calculate the total number of comparison operations in the program. 20

2. Write a program that finds the sum of all ten numbers stored in an array. How many times will the addition operation execute ? 20