

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

**Term-End Practical Examination**

**December, 2017**

01062

**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) *The remaining 10 marks are for viva-voce.*
  - (iv) *All programs are to be written in 'C' language.*
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1. Write and test a program to find the largest number in an array. How many times will the loop and comparison operations execute ? 20
  
  2. Write and test a program in 'C' language to sort the following array using Bubble Sort. Calculate the total number of comparison and assignment operations to execute the program. 20
- 55 45 40 10 15 25 5
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