

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2017

02038

BCSL-045(P)/S1 : 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 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 generate 10 numbers in Fibonacci series and calculate how many times the loop, addition and assignment operations will execute. 20

 2. Write a program to sort the following list of numbers using Bubble Sort algorithm :
15 27 5 2 85 45 30
Calculate
(a) how many times the outer loop and inner loop will execute, and
(b) how many exchange operations will execute. 20
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