

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2015

00999

BCSL-045(P)/S4 : 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) *Remaining 10 marks are for viva-voce.*
 - (iv) *Programs are to be written in 'C' language.*
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1. Given an ordered list of n integers and an integer x , find the number of comparisons used to determine the position of an integer in the list using a binary search. 20

2. Write a program to multiply two matrices of order 4×4 and calculate the total number of assignment, multiplication and addition operations. 20