

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00821

December, 2013

BCSL-045 : INTRODUCTION TO ALGORITHM DESIGN LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : *There are **two** questions carrying **20** marks each.*

*Each question is **compulsory**.*

*All programs are to be written in C-language. **10** marks are for **viva-voce**.*

1. Write a program to calculate a factorial of a number and calculate total number of comparison operations and multiplication operations. Also calculate complexity of a program. **20**

 2. Write a program to find maximum of 10 numbers stored in an array and calculate a total number of comparison operations and complexity of the program. **20**
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