

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

02403

Term-End Practical Examination
December, 2016

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) *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 that produces the median of a set of five integers (unsorted).
[The median of a set of integers is the middle element in the list when these integers are listed in the order of increasing numbers]. How much time will the program take to execute ? 20

 2. Use the insertion sort to sort the following list showing the lists obtained at each step :
15 10 2 4 7 8
How many comparisons does the insertion sort use in the above list ? 20
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