

BACHELOR OF COMPUTER APPLICATIONS
BCA (REVISED)
Term-End Practical Examination

01844

December, 2013

BCSL-058 : COMPUTER ORIENTED NUMERICAL
TECHNIQUES LAB

Time allowed : 1 hour

Maximum Marks : 50

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- Note :** (i) *There are two questions in this paper, both are compulsory.*
(ii) *Each question carries 20 marks.*
(iii) *10 marks are for viva-voce.*
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1. Write a programme in C, to find the root of following equation by using "BISECTION METHOD" 20

$$\text{Equation : } x^3 - 5x + 1 = 0$$

2. Write a programme in C, to demonstrate the operation of "Backward Difference Operator" and "Averaging operator", for the function $f(x) = x^2 + x + 7$. The given interval is [2, 7] and stepsize (h) is 1.0. 20
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