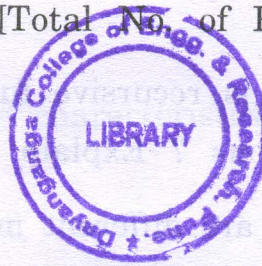


May June 2012

Total No. of Questions—12]

[Total No. of Printed Pages—4+2

Seat No.	
-------------	--



[4162]-204

S.E. (Computer) (First Semester) EXAMINATION, 2012

DATA STRUCTURES AND ALGORITHM

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

N.B. :— (i) Answer *three* questions from Section I and *three* questions from Section II.

(ii) Answers to the two Sections should be written in separate answer-books.

(iii) Neat diagrams must be drawn wherever necessary.

(iv) Assume suitable data, if necessary.

SECTION I

1. (a) What do you mean call by value and call by reference ? Explain with example. [6]

(b) Write a recursive function for the following. Explain it by taking $x = 6$:

$$f(x) = 5 + \frac{1}{5} + \frac{1}{5 + \frac{1}{5}} + \frac{1}{5 + \frac{1}{5 + \frac{1}{5}}} \quad [10]$$

P.T.O.

