Subject : Data Structures

Day : Monday

Date : 05/12/2016

S.D.E. |||||||||||||||||||||
33519

Time : 02.00 P.M. TO 05.00 P.M.

Max Marks : 80   Total Pages : 1

N.B.:

1) Attempt any **FIVE** questions from Section –I and any **TWO** questions from Section –II.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SAME** answer book.

SECTION-I

Q.1	Explain Array as a data structure. Explain various operations on Array.	(10)
Q.2	Explain implementation of stack with linked list.	(10)
Q.3	Explain binary tree. Also explain different tree traversal techniques.	(10)
Q.4	Explain Depth First Search with appropriate algorithm.	(10)
Q.5	Explain babble sort and insertion sort with example.	(10)
Q.6	Explain binary search with example.	(10)

SECTION-II

Q.7	Write a sequential search algorithm along with appropriate code snippet.	(15)
Q.8	Write a program to demonstrate all possible operations on circular list.	(15)
Q.9	Write a program to demonstrate all operations on queue	(15)

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