

Subject : Data Structures

Day : Wednesday
Date : 01/06/2016



Time : 02.00 P.M. TO 05.00 P.M.
Max Marks : 80 Total Pages : 1

N.B.:

- 1) Attempt **ANY FOUR** questions from Section - I and attempt **ANY TWO** questions from Section - II.
 - 2) Answers to both the sections should be written in the **SAME** answer books.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION - I

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|------------|---|-------------|
| Q.1 | Explain Radix sort with example. | [12] |
| Q.2 | What is Queue? What are possible operations on queue explain in detail? | [12] |
| Q.3 | Explain array implementation of list. Also explain its limitations. | [12] |
| Q.4 | Explain Binary search tree with example. | [12] |
| Q.5 | Explain graphs and its various types. | [12] |
| Q.6 | Explain ADT with example. | [12] |

SECTION - II

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|------------|--|-------------|
| Q.7 | Write a program to delete a number from a doubly linked list. Use structure to represent a doubly linked list. | [16] |
| Q.8 | Write a program to search for an element in a circularly linked list. | [16] |
| Q.9 | Write a program to implement insertion sort algorithm. | [16] |

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