Subject : C-Programming & Data Structures

Day : Wednesday **S.D.E.** ‖‖‖‖‖‖‖‖‖‖‖‖ Time : 10.00 AM TO 1.00 PM
Date : 04/06/2014 **18964** Max Marks : 80 Total Pages : 1

N. B. :
1) Attempt **ANY FIVE** questions from Section **- I** and attempt **ANY TWO** questions from Section **- II**.
2) Figures to the **RIGHT** indicate full marks.
3) Answers to both the sections should be written in the **SAME** answer book.

SECTION - I

Q. 1 **a)** Briefly explain any four basic data types in C language. **(05)**

b) What is purpose of additional data types in C language? **(05)**

Q. 2 Explain various decision making statements available in C language with example. **(10)**

Q. 3 Write a program to find sum of odd and even numbers in given list of value. **(10)**

Q. 4 What is array? Explain various types of array with neat diagram. **(10)**

Q. 5 Difference between the following: **(10)**
a) Structures and union
b) Standard I /O functions and unformatted I/O functions

Q. 6 What is ADT? Discuss stack as an ADT. **(10)**

Q. 7 Write short notes on **ANY TWO** of the following: **(10)**
a) Storage classes
b) Do-while loop
c) Binary tree

SECTION - II

Q. 8 Write a program to print given number is prime or not according to user input. **(15)**

Q. 9 Write a program to store record in file book.dat **(15)**
(bookno, bname, Author,edition, price)

Q. 10 Write a program to add, delete and search element in linked list. **(15)**

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