Assignment No: I

Q.1 Explain control structures in 'C'
Q.2 Explain string handling in 'C'
Q.3 Write a 'C' program to define single dimensional array. Explain 2 -
dimensional and multi-dimensional arrays.
Q.4 What is data structure? Which types of control structures are available
in 'C' programming language? Explain one data structure.
Q.5 Write a short note on:
   User defined data types.
Q.6 Explain with example accessing structure data member by using and
   without using pointers.
Q.7 Write a note on data structures & C. Can you implement data structure
   except C language?

Assignment No: II

Q.1 Write a short note on:
   Application of stack
Q.2 Explain LIFO operation and FIFO operation.
Q.3 Distinguish between static and dynamic memory allocation.
Q.4 Explain Quick sort with an example.
Q.5 Explain Linear and binary search with example.
Q.6 What do you mean by sorting? State the different methods of sorting?
   Explain bubble sort with the help of an example.
Q.7 What are queues? Explain in detail and compare it with stack.

Assignment No: III

Q.1 Show the binary expression tree that represents the following preorder
   expression.
   " * + a b c - d + e f + g h"
Q.2 In what way tree data structure differ from graph data structure? List
   methods for representing graph data structures.
Q.3 What is a hash function? Explain overflow and collision.
Q.4 Write a Short note on: binary tree traversal techniques.
Q.5 Write a note on graph Terminologies.