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MCA-2, M.Sc. (CA)-2, PGDCA-2
1st Year Examination, Calendar Batch 2017
Data Structure Through C

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **five** questions. Each questions carry equal marks.*

- Q1: Explain the algorithm for exchange sort with explain?
- Q2: What do you mean by BST? Consider the following elements are inserted into an empty binary tree- F,G,A,B,J,L,C,O.
- Q3: What is the difference between 1 –way and 2-way linked list? Discuss their implementation also.
- Q4: What do you mean by searching & searching in a binary search tree?
- Q5: What do you mean by data structure? Write different common operations can be performed on data structure.
- Q6: Make a binary search tree of values 8,4,15,10 & 3.
- Q7: Write down the non recursive algorithm of binary tree traversal in post-order.
- Q8: Explain the concept of pointers & static variable?