GroupB 40

1. What is data structurewrite the difference between serial anf parallel algorithm?
2. What is hashing?Explain with example the collosion resolution technique
3. What is tree traversal. Create B-Tree of order 4 using the following data: 6,4,22,10,2,14,3,8,11,13,5,9.
4. What is circular queue ? Write an algorithm to insert an item in circular queue.
5. What is AVL tree? Construct AVl tree of 50, 40, 35, 58, 48, 42, 60, 30, 33, 32
6. What is double linked list? Write an algorithm to add a node at the beginning and end of double linked list?
7. Define graph and tree data structure. Explain breadth first traversal and depth first traversal with example.

Group C

Answer any two question

1. Construction a binary tree from Post order And preorder

Post order:9,1,2,12,7,5,3,11,4,8

Inorder:9,5,1,7,2,12,8,4,3,11

1. What is stack? List the application of stack. Write an algorithm to perform PSH and POP operation?

10what do you meant by MST?explain kruskal algorithm with example

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