4   (a) Write short notes on :

     (i)   Multiway tree

     (ii) Threaded binary tree.

     (b) Discuss use of trees in the representation of sets. How will
          you find the union of two sets ?

                                                              8+8

UNIT – V

5   (a) Differentiate between tree and graph.

     (b) Write Prim's algorithm.

     (c) Explain BFS in undirected graph.

                                                              5+6+5

OR

5   (a) Write heap sorting algorithm.

     (b) How will you represent graphs using adjacency matrix and
          list ?

     (c) Write Kruskal algorithm.

                                                              5+6+5

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