

Graph Theory Quiz Questions and Answers Pdf

1. A graph is a tree if and only if it

- a. is completely connected
- b. is minimally connected
- c. contains a act
- d. is planar

Ans: B

2. Which data structure is needed to convert infix notation to post fix notation?

- a. Linear list
- b. Queue
- c. Tree
- d. Stack

As: A

3. A tree with n nodes has

- a. $n/2$ edges
- b. $n - 1$ edges
- c. n edges
- d. $n + 1$ edges

Ans; B

4. A tree with n nodes has

- e. $n/2$ edges
- f. $n - 1$ edges
- g. n edges
- h. $n + 1$ edges

Ans; B

5. A complete binary tree with the property that the values of each node is at least as large as the values at its children is called

- a. Binary search tree
- b. AVL tree
- c. Completely balanced tree
- d. Heap

Ans: D