

## Graph Theory Objective Questions and Answers Pdf

1. Which of the following algorithms solves the all pair shortest path problem?
  - a. Dijkstra's algorithm
  - b. Floyd's algorithm
  - c. Prim's algorithm
  - d. Warshall's algorithm

Ans : B

2. What transversal techniques list the nodes of a binary search tree in ascending order?
  - a. Post order
  - b. In-order
  - c. Pre-order
  - d. None of these

Ans: B

3. The number of paths between any pair of nodes in a tree on  $n$  nodes is
  - a. 0
  - b. 1
  - c.  $(n - 1)$
  - d.  $n$

Ans: B

4. Tree
  - a. is a bipartite graph
  - b. with  $n$  nodes contains  $n - 1$  edges
  - c. is a connected graph
  - d. all of these

Ans: D

5. A circuit in a connected graph which includes every vertex of the graph is called
  - a. Euler
  - b. Universal
  - c. Hamilton
  - d. Cheque

Ans: C