Data Structures and Algorithms- Quiz 6

Question 1   1 / 1 pts

Which of the following statements for a simple graph is correct?

Correct!

- ◉ Every path is a trail
- ○ Every trail is a path
- ○ Every trail is a path as well as every path is a trail
- ○ Path and trail have no relation

Question 2   1 / 1 pts

Which of the following properties does a simple graph not hold?

Correct!

- ◉ Must be connected
- ○ Must be unweighted
- ○ Must have no loops or multiple edges
- ○ Must have no multiple edges

Question 3   1 / 1 pts

Which of the following is true?

Correct!

- ◉ A graph may contain no edges and one vertices
- ○ A graph may contain no edges and many vertices
- ○ A graph may contain no edges and no vertices
- ○ A graph may contain no vertices and many edges

Question 4   1 / 1 pts

Which of the following ways can be used to represent a graph?

Correct!

- ◉ Adjacency List, Adjacency Matrix as well as Incidence Matrix
- ○ Adjacency List and Adjacency Matrix
- ○ Incidence Matrix
- ○ No way to represent

Question 5   0 / 1 pts

What is the maximum possible number of edges in a directed graph with no self loops having 8 vertices?

Correct answer

- ○ 56
- ○ 256
- ○ 64

You Answered

- ◉ 28