Started on	Thursday, 4 July 2024, 1:37 PM
State	Finished
Completed on	Thursday, 4 July 2024, 1:38 PM
Time taken	1 min 2 secs
Marks	0.00/9.00
Grade	**0.00** out of 100.00

Question **1**

Not answered

Marked out of 1.00

True/False: Let T be a minimum spanning tree of G. Then, for any pair of vertices s and t, the shortest path from s to T is G is the path from s to t in T.

Select one:

○ True

○ False

The correct answer is 'False'.

Question **2**

Not answered

Marked out of 1.00

True/False: A graph is a set of vertices and a set of edges such that each edge is a connection between a pair of vertices.
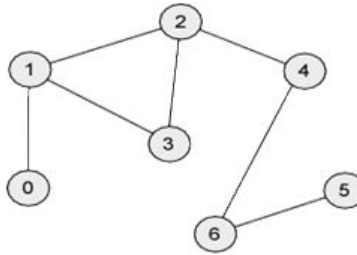
Select one:

○ True

○ False

The correct answer is 'True'.

Question 3

Not answered

Marked out of 1.00

True/False: A graph with edges that have no directional indication as in the following diagram is called a uni-directed graph.

Select one:

○ True

○ False

The correct answer is 'False'.

Question 4

Not answered

Marked out of 1.00

True/False: A graph with numbers or letters on the vertices is called a labeled graph.

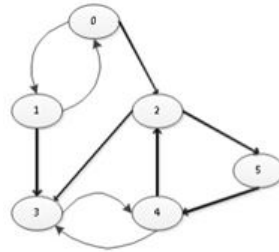Select one:

○ True

○ False

The correct answer is 'True'.

Question 5

Not answered

Marked out of 1.00

True/False: A graph with edges that point in such a way that one could follow such directed edges and visit the same vertex again, as is illustrated in the following diagram is a graph that is said to have or be:

Select one:

- a. Directed
- b. Cyclic or cycles
- c. Free tree
- d. Acyclic

The correct answer is: Cyclic or cycles

Question 6

Not answered

Marked out of 1.00

A process that is designed to visit every vertex in a graph is known as a:

Select one:

- a. Graph traversal
- b. Graph search
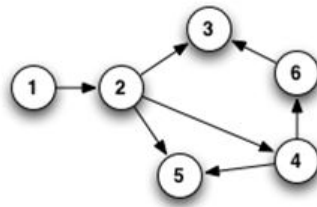- c. Binary search
- d. Enumeration

The correct answer is: Graph traversal

Question 7

Not answered

Marked out of 1.00

In the following graph what do the circles represent?

Select one:

- a.   Edges
- b.   Vertices
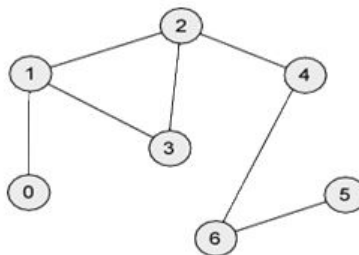- c.   Nodes
- d.   Cycles

The correct answer is: Vertices

Question 8

Not answered

Marked out of 1.00

What term best describes this graph?

Select one:

- a.   Directed Graph
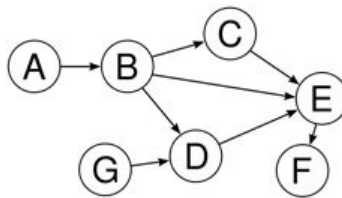- b.   Undirected Graph
- c.   Tree
- d.   Directed Acyclic Graph

The correct answer is: Undirected Graph

Question **9**

What term best describes this graph?

Select one:

○ a.   Directed Graph

○ b.   Undirected Graph

○ c.   Tree

○ d.   Directed Acyclic Graph

The correct answer is: Directed Acyclic Graph