Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Which real life example represents an undirected graph.	A. Twitter followers B. Facebook friendships C. On way streets D. Email spam links
2	What is he degree of a vrtex in a graph.	A. The numebr of loops B. The number of edges connected to it C. The total numebrof vertices D. The weight of the vertex
3	Which of the following is a difference between trees and graphs.	A. Trees have cycles B. Trees have many path C. Trees have root ; graph may not D. Trees are more flexible
4	Which of the following best describes a tree.	A. Graph with cycles B. Graph with no cycles and a root C. Random graph D. Circular graph
5	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph
6	Which of the following is a real world example of graph.	A. File system B. Family tree C. Social network D. Web page navigation
7	In which structures can cycles exist.	A. Graph B. Tree C. Stack D. Queue
8	Which of the following is NOT a characteristic of a graph	A. Vertices B. Edges C. One directional flow only D. Weighted or unweighted edges
9	What is a graph in data structures.	A. A linear structure B. A hierachiecal structure C. A set of vertices connected by edges. D. A type of array
10	Which traversal is used for beacking up files in a directory.	A. In order B. Post Order C. Pre order D. Level order
11	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
12	What is a leaf node.	A. A node with many children B. A node with one child C. A node with no children D. A node with no parent
13	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node
14	What is a tree in data structures.	A. Linear data B. Math function C. Hiearchical structure

		D. Loop
15	What is the dequeue operatin ina queue.	A. Adding an item to th eback B. Remoiving an item fromt he fornt C. Sorting the queue D. Copying the queue