Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	What is a queue.	A. Add/remvoe from top B. Add/remvoe from both ends C. Add at back , remvoe form front D. Store items randomly
2	In which structures can cycles exist.	A. Graph B. Tree C. Stack D. Queue
3	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
4	Which principle does a queue follow.	A. LIFO B. FIFO C. FILO D. Random access
5	The opertion used to add an item to a queue	A. Dequeue B. Enqueue C. Remove
6	Which real life example follows the stack principle.	A. Ticket line B. Browser back button C. Music playlist D. Email inbox
7	Which of the following is a real world example of graph.	A. File system B. Family tree C. Social network D. Web page navigation
8	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph
9	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
10	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
11	Which operation remvoes an intem by its index in a list.	A. Pop() B. delete () C. Remove() D. clear ()
12	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node
13	Which operation remvoes an item by its value in a list.	A. delete () B. pop () C. remove() D. clear ()
14	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
15	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
16	What is the purpose of the pop operation in a stack	A. Add an item to the top B. Remove the top item C. Count the numebr of items D. Print the stack
17	What does abstraction mean in computing.	A. Hide data B. combine simple C. Parts into complex systems D. Use high level languages
18	Which operation remvoe an itesm by tis value in a list	A. Delete () B. Remove() C. Pop () D. Clear ()
19	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
20	Which is the purpose of the push operation in a stack.	A. Remvoe teh bottom item B. Add an item to the top C. Search for an item D. Sort the stack