Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	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
2	Which of the following is an application of lists.	A. Storing a single number B. Implementing stacks and queues C. Creating images D. Playing music
3	Which of the following is NOT a primitive computational structure.	A. integers B. Loops C. Artificial intelligence D. Boolean values
4	Which operation remvoe an itesm by tis value in a list	A. Delete () B. Remove() C. Pop () D. Clear ()
5	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node
6	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
7	What is a tree in data structures.	A. Linear data B. Math function C. Hiearchical structure D. Loop
8	Which traversal is used for beacking up files in a directory.	A. In order B. Post Order C. Pre order D. Level order
9	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
10	An operation that remvoes an item from the top of the stack	A. Push B. Pop C. Peek D. Add
11	What hapens when you use the append () method on a list.	A. It deletes the last item B. It adds an item to the end of the list C. It sorts the list D. It creates a new list
12	If you have a list f{Apple"banana". “cherry ”}ruits = I " what is fruit (1)	A. Apple B. Banana C. Cherry D. Error
13	How are lists created in Python.	A. Using parentheses ( ) B. Using sqquare brackets [] C. Using curly braces {} D. Using angle brackets
14	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
15	What is the dequeue opertion in a queue.	A. Removing an item formt he front B. Additing an item to the back C. Sorthing the queue D. Copying the queue
16	A scenario where a graph data structure is most suitable.	A. Managng a to do list B. Modeling a line of customers in a store C. Representing connections in a social network D. All of the above
17	The purpose of the inkeywrod used with a Pythonlist	A. Add an item to the list B. Remvoes an itemfrom the list C. Cheeks if an item exists int he list D. Returns the length of the list
18	In which structures can cycles exist.	A. Graph B. Tree C. Stack D. Queue
19	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
20	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph