Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Which of the following is a real world example of graph.	A. File system B. Family tree C. Social network D. Web page navigation
2	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
3	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
4	What is a stack.	A. Add/remove at both ends B. Add /remove from the top C. Add front, remvoe back D. No specific order
5	An operation that remvoes an item from the top of the stack	A. Push B. Pop C. Peek D. Add
6	How are lists created in Python.	A. Using parentheses ( ) B. Using sqquare brackets [] C. Using curly braces {} D. Using angle brackets
7	True statemetn about the height of a tree.	A. Number of edges fromt he root to the deepest node B. Number of nodes from the root to the deepest node C. Number of children of the root node D. Always equal to the number of nodes in the tree
8	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
9	Which principle does a queue follow.	A. LIFO B. FIFO C. FILO D. Random access
10	If you have a list f{Apple"banana". “cherry ”}ruits = I " what is fruit (1)	A. Apple B. Banana C. Cherry D. Error
11	Wha is a list in Python.	A. Unordered items B. Changeable sequence C. Print function D. Loop type
12	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
13	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

14	Why are primitive computationl structures important in computer sciecne.	A. I hey reduce memory B. They for all software C. Only for web dev D. Increase hardware cost
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	Which principle does a stack follow.	A. FIFO B. LIFO C. FILO D. LILO
17	Which operation remvoes an intem by its index in a list.	A. Pop() B. delete () C. Remove() D. clear ()
18	The opertion used to add an item to a queue	A. Dequeue B. Enqueue C. Remove
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	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