Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	What does abstraction mean in computing.	A. Hide data B. combine simple C. Parts into complex systems D. Use high level languages
2	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
3	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
4	Which of the following best describes primitive computational structures.	A. Advanced tools B. Complex Algorithms C. Basic building blocks of computing D. High level data types
5	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
6	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
7	How are lists created in Python.	A. Using parentheses ( ) B. Using sqquare brackets [] C. Using curly braces {} D. Using angle brackets
8	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
9	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
10	Which of the following is NOT a primitive computational structure.	A. integers B. Loops C. Artificial intelligence D. Boolean values
11	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
12	Why are primitive computationl structures important in computer sciecne.	A. They reduce memory B. They for all software C. Only for web dev D. Increase hardware cost

13	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
14	The opertion used to add an item to a queue	A. Dequeue B. Enqueue C. Remove
15	In which structures can cycles exist.	A. Graph B. Tree C. Stack D. Queue
16	Wha is a list in Python.	A. Unordered items B. Changeable sequence C. Print function D. Loop type
17	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
18	Which principle does a stack follow.	A. FIFO B. LIFO C. FILO D. LILO
19	Which operation remvoes an intem by its index in a list.	A. Pop() B. delete () C. Remove() D. clear ()
20	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node