Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	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
2	Which operation remvoe an itesm by tis value in a list	A. Delete () B. Remove() C. Pop () D. Clear ()
3	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph
4	Which of the following is NOT a primitive computational structure.	A. integers B. Loops C. Artificial intelligence D. Boolean values
5	Which principle does a stack follow.	A. FIFO B. LIFO C. FILO D. LILO
6	Which operation remvoes an intem by its index in a list.	A. Pop() B. delete () C. Remove() D. clear ()
7	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
8	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node
9	What is the enqueue operation in a queue.	A. Removeing an item from the front B. Printing the queue C. Adding an item to the back D. Searchign for an item
10	How are lists created in Python.	A. Using parentheses ( ) B. Using sqquare brackets [] C. Using curly braces {} D. Using angle brackets
11	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
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	Wha is a list in Python.	A. Unordered items B. Changeable sequence C. Print function D. Loop type
14	Which traversal is used for beacking up files in a directory.	A. In order B. Post Order C. Pre order D. Level order

15	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
16	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
17	Which real life example represents an undirected graph.	A. Twitter followers B. Facebook friendships C. On way streets D. Email spam links
18	The opertion used to add an item to a queue	A. Dequeue B. Enqueue C. Remove
19	What does abstraction mean in computing.	A. Hide data B. combine simple C. Parts into complex systems D. Use high level languages
20	Which operation remvoes an item by its value in a list.	A. delete () B. pop () C. remove() D. clear ()