Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	An operation that remvoes an item from the top of the stack	A. Push B. Pop C. Peek D. Add
2	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
3	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
4	Whcih keyword checks if an item exists in alist	A. In B. for C. if D. exists
5	Which operation remvoes an item by its value in a list.	A. delete () B. pop () C. remove() D. clear ()
6	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
7	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
8	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
9	In which structures can cycles exist.	A. Graph B. Tree C. Stack D. Queue
10	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
11	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
12	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
13	Which principle does a stack follow.	A. FIFO B. LIFO

		C. FILO D. LILO
14	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
15	How do primitives affect a system's capabilities.	A. Make program look better B. Decide what and how fast it computes C. Control internet speed D. Improve graphics
16	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
17	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
18	Which of the following is NOT a primitive computational structure.	A. integers B. Loops C. Artificial intelligence D. Boolean values
19	What is a tree in data structures.	A. Linear data B. Math function C. Hiearchical structure D. Loop
20	Which operation remvoe an itesm by tis value in a list	A. Delete () B. Remove() C. Pop () D. Clear ()