Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Which operation remvoes an item by its value in a list.	A. delete () B. pop () C. remove() D. clear ()
2	Which principle does a stack follow.	A. FIFO B. LIFO C. FILO D. LILO
3	Which real life example represents an undirected graph.	A. Twitter followers B. Facebook friendships C. On way streets D. Email spam links
4	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
5	Which principle does a queue follow.	A. LIFO B. FIFO C. FILO D. Random access
6	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
7	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
8	The function used to add an item at the end of a list in Python.	A. Append() B. Insert () C. remove () D. PoP ()
9	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
10	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
11	Which traversal is used for beacking up files in a directory.	A. In order B. Post Order C. Pre order D. Level order
12	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
13	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph
14	What does abstraction mean in computing.	A. Hide data B. combine simple C. Parts into complex

		systems D. Use high level languages
15	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
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	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
18	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
19	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
20	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