Computer Science Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	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
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	Which real life example represents an undirected graph.	A. Twitter followers B. Facebook friendships C. On way streets D. Email spam links
4	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
5	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
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	Whcih keyword checks if an item exists in alist	A. In B. for C. if D. exists
8	Which principle does a queue follow.	A. LIFO B. FIFO C. FILO D. Random access
9	Which type of grah has edges with direction.	A. Undirected graph B. Directed graph C. Weighted graph D. Binary graph
10	How are lists created in Python.	A. Using parentheses ( ) B. Using sqquare brackets [] C. Using curly braces {} D. Using angle brackets
11	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
12	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
13	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
14	What is the height of a tree.	A. No of nodes B. Longest path C. Memory used D. No of leaves
15	The function used to add an item at the end of a list in Python.	A. Append() B. Insert () C. remove () D. PoP ()
16	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
17	Which of the following is NOT a primitive computational structure.	A. integers B. Loops C. Artificial intelligence D. Boolean values
18	Which real life example follows the stack principle.	A. Ticket line B. Browser back button C. Music playlist D. Email inbox
19	Which node is the staring point of a tree.	A. Leaf node B. Child node C. Root node D. Parent node
20	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