KAKP Commerce and Science College, Jalgaon

Internal Examination Semester - III Subject Computer Science CS 301

Required		
Name of the Student *		
Class *		
PRN No *		
Mob No *		
1) How can we describe an array in the be	est possible way? *	2 points
Mark only one oval.		
Arrays are immutable. Container that stores the elements of significant container that stores are immutable.		
	Name of the Student * Class * PRN No * Mob No * 1) How can we describe an array in the best Mark only one oval. The Array shows a hierarchical structure Arrays are immutable.	Class * PRN No * Mob No * 1) How can we describe an array in the best possible way? * Mark only one oval. The Array shows a hierarchical structure. Arrays are immutable. Container that stores the elements of similar types

6.	2) Which of the following is the correct way of declaring an array? *	2 points
	Mark only one oval.	
	A) FORTRAN B) D Language C) BASIC D) B Language	
7.	3) Which of the following highly uses the concept of an array? Binary Search tree Caching Spatial locality Scheduling of Processes *	2 points
	Mark only one oval.	
	A) Binary Search tree B) Caching C) Spatial locality D) Scheduling of Processes	
8.	4) Which of the following is the advantage of the array data structure? * Mark only one oval. Elements of mixed data types can be stored. Easier to access the elements in an array Index of the first element starts from 1. Elements of an array cannot be sorted	2 points

9.	5) Which of the following is the disadvantage of the array? *	2 points
	Mark only one oval.	
	A) Stack and Queue data structures can be implemented through an array. B) Index of the first element in an array can be negative	
	C) Wastage of memory if the elements inserted in an array are lesser than the allocated size	
	D) Elements can be accessed sequentially.	
10.	6) Which one of the following is the size of int arr[9] assuming that int is of 4 bytes?9 *	2 points
	Mark only one oval.	
	9 36	
	35	
	None of the above	
11.	7) Which one of the following is the process of inserting an element in the stack? *	2 points
	Mark only one oval.	
	Insert	
	Add	
	Push	
	None of the above	

12.	8) When the user tries to delete the element from the empty stack then the condition is said to be a *	2 points
	Mark only one oval.	
	Underflow	
	Garbage collection	
	Overflow	
	None of the above	
13.	9) If the size of the stack is 10 and we try to add the 11th element in the stack then the condition is known as *	2 points
	Mark only one oval.	
	Underflow	
	Garbage collection	
	Overflow	
	None of the above	
14.	10) Which data structure is mainly used for implementing the recursive algorithm? *	2 points
	Mark only one oval.	
	Queue	
	Stack	
	Binary tree	
	Linked list	

15.	11) Which data structure is required to convert the infix to prefix notation? *	2 points
	Mark only one oval.	
	Stack	
	Linked list	
	Binary tree	
	Queue	
16.	12) Which of the following is not the correct statement for a stack data structure? *	2 points
	Mark only one oval.	
	Arrays can be used to implement the stack	
	Stack follows FIFO	
	Elements are stored in a sequential manner	
	Top of the stack contains the last inserted element	
17.	13) If the elements '1', '2', '3' and '4' are added in a stack, so what would be the order for the removal? *	2 points
	Mark only one oval.	
	1234	
	2134	
	4321	
	None of the above	

18.	14) What is the outcome of the prefix expression +, -, *, 3, 2, /, 8, 4, 1? *	2 points
	Mark only one oval.	
	12	
	11	
	5	
	4	
19.	15) A list of elements in which enqueue operation takes place from one end, and dequeue operation takes place from one end is *	2 points
	Mark only one oval.	
	Binary tree	
	Stack	
	Queue	
	Linked list	
20.	16) Which of the following principle does Queue use? *	2 points
	Mark only one oval.	
	LIFO principle	
	FIFO principle	
	Linear tree	
	Ordered array	

21.	queue? *	2 points
	Mark only one oval.	
	Processes with different priority can be easily handled	
	Easy to implement	
	Deletion is easier	
	None of the above	
22.	18) A linear data structure in which insertion and deletion operations can be performed from both the ends is *	2 points
	Mark only one oval.	
	Queue	
	Deque	
	Priority queue	
	Circular queue	
00		
23.	19) Which of the following data structure allows you to insert the elements from both the ends while deletion from only one end? *	2 points
	Mark only one oval.	
	Input-restricted queue	
	Output-restricted queue	
	Priority queue	
	None of the above	

24.	20) Which of the following is the time complexity to search an element in 2 points the linked list? *
	Mark only one oval.
	O (1)
	O(n)
	O(logn)
	O(nlogn)
25.	Mark only one oval.
	Option 1

This content is neither created nor endorsed by Google.

Google Forms