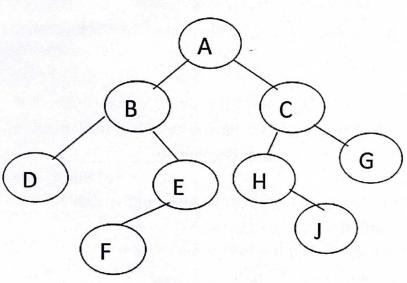
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B.C.A (Part-II) (Semester - III) (CBCS) Examination Oct./Nov. - 2023

College Name: Kamala College, Kolhapur Subject Name: Data Structure using C			
Subject Code: 83376	Total Marks: 70		
Day and Date: Thursday, 30/11/2023	Period: 3 hours		
Time : 10.30 am. To 01.30 pm.	Total pages: 3		
Instructions 1) Figures to the right indicate full marks 2) Q.1 & Q.6 are compulsory and attempt any the	ree from Q.2 to Q.5		
Q. 1	20		
A) Multiple Choice Question	[10]		
1) Which of the following is not a type of Lin	ked List ?		
A. Circular linked list B. Double link	ked list		
C. Hybrid linked list D. Singly link	ted list		
2) In single linked list the beginning of the lis	t is marked by special D. Start		
pointer named as	100		
A. Array B. Pointer C. Null	D. Start		
3) In Circular linked list last-> link always po	D. Start LIBRAI LIBRAI tin the stack is called as		
A. Last node B. first node.	138		
C. NULL D. Prev Node	JUBY * KIEW * KIEW		
4) In the stack process of inserting an elemen	t in the stack is called as		
·			
A. Push B. Pop			
C. Insert D. None of the above			
5) User push 1 element in the stack having al			
having stack size as 5 then stack becomes	erflow of Stack		
in Emply Comment	ne of the above		
6) Stack is also called as	ie of the above		
A. Last in first out B. First in first out			

7)	When inorder to			ed E A C K	FHDBG; the	;	
	preorder travers	sal would i	return				
	A. FAEKCDBI	I G	B. FAE	KCDHGB.			
	C. EAFKHDCE	3G	D. FEAI	KDCHBG			
8)	Each node in si	ngly linked	d list has	fields.			
	A. 2	B. 3	C. 1	D. 4			
9) The situation when in a linked list START=NULL is							
	A. Underflow		B. Overf	low			
	C. Houseful		D. Satur	ated	Wantiveer	R	
10) Which indicate	s pre-orde	r traversal?		S. S	Jagg	
	A) Left sub-	tree, Right	sub-tree an	d root	Wood	y aodada,	
	B) Right sub	-tree, root	, Left sub-tr	ee	B LIBRAR	da	
	C) Right sub	-tree, Left	sub-tree an	d root		Palli	
	D) Root, Lef	ft sub-tree,	Right sub-t	ree	LIBRAR LIBRAR	eidi	
D)	Short Angreen O	huagtian (A	my 2 out of	2)			
	Short Answer Q 1) Bubble Sort	uestion (A	my 2 out of	3)		[10]	
	2) Linear Search						
	3) Applications of		ist				
Ex	plain the circula	r link list.				10	
Wı	rite a note on Qu	eue imple	mentation u	sing C.		10	
Write a note on Selection sort with help of example.							
200	r the given Bina					ſ	
	versal.					10	



Q.2 Q.3 Q.4 Q.5

- Q.6 Write short notes. (Any four out of six)
 - 1) Stack
 - 2) Doubly Linked List.
 - 3) Tree Data Structure.
 - 4) Applications of Stack.
 - 5) Graph.
 - 6) Merge Sort.

