12. a) Write a function to insert() and delete() elements in a Queue.

b) Compare difference between Queues and Circular Queues along with an example.

[5]

[5]

13.	 a) Write a function to create(), insertlast(), display() elements by implementin linked list. 	g Single	[6]
	b) Apply Stacks using linked list to delete elements explain with an example.		[4]
14.	4. a) Write the function to create(), insertfirst() elements by implementing Double	linked list.	[6]
	b) Explain the significance of Double linked list along with an example.		[4]
15.	5. a) Construct a Binary Search Tree for the following sequence of numbers. 45, 3 68, 72, 15, 24, 30, 66.	2, 90, 34,	[7]
	 b) Illustrate the significance of different Tree Traversal Techniques and explain techniques along with an example 	Traversal	[3]
16.	6. a) Explain the procedure for evaluation of postfix expression along with an example of the ex	mple.	[6]
	b) Explain different operations performed on Circular Queues.		[4]
17.	7. Answer any <i>two</i> of the following:		
	 a) Compare with an example why Queue overflow is not there in Queues usi linked list. 	ing single	[5]
	b) Write a function to insertlast() and display() to display elements using Doul list.	ole linked	[5]
	c) Illustrate the significance of AVL Trees.		[5]

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