			PARI-B
	ANNA UNIVERSITY COIMBATORE		(5 x 12 = 60 MARKS)
B.E. / B.TECH. DEGREE EXAMINATIONS : DECEMBER 2009			ANSWER ANY FIVE QUESTIONS
	REGULATIONS - 2007		
	THIRD SEMESTER : ELECTRICAL & ELECTRONICS ENGINEERING	21.	Explain Apriori Analysis with the help of an algorithm.
	070250005 - DATA STRUCTURES AND ALGORITHMS		
TIME : 3 Hours Max.Marks : 100		22.	Explain the insertion and deletion operation of Circular Linked List.
	PART – A		
	(20 x 2 = 40 MARKS)	23.	Explain various applications of Trees.
	ANSWER ALL QUESTIONS		
1.	Define Algorithm.	24.	Explain insertion sort and quick sort with algorithm.
2.	What is the Time Complexity of an Algorithm?		
3.	What do you mean by frequency count of a statement?	25.	How will you find a minimum spanning tree? Explain with algorithm.
4.	Mention the running time of a FOR - LOOP statement.		
5.	Differentiate Linear and Non-Linear Data Structure.	26.	Explain the insertion and deletion algorithm of AVL Tree.
6.	Define queue.		
7.	What is priority queue?	27.	Write and analyze the complexity of Polyphase sorting.
8.	List the draw backs of sequential data structures.		
9.	What is tree?	28.	Explain various applications of stack.
10.	Define Hashing Function.		
11.	What is binary heap?		*****THE END*****
12.	What do you mean by chaining?		
13.	Define Sorting.		
14.	What is runlists?		
15.	List the various families of the sorting algorithms.		
16.	Differentiate Internal and External Sorting.		
17.	Define Graph.		
18.	What is Hamiltonian circuit?		
19.	What do you mean by connected undirected graph?		
20.	What is articulation point?		

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