SE/CMPN/ III (Res) 24/5/2012 Data Staucture & Files

70-p3-d-upq-FH KL12 B Con 3889-12

on. 3009-12.				GN-5300	
			(3 Hours)	[Total Marks: 100	
 I.B. :(1) Question No. 1 is compulsory. (2) Attempt any four questions from Q. No. 2 to 7. (3) Assume suitable data wherever required but justify the same. 					
1.	(b)	What is Recursion? Write a precursion. Explain linear and non-linear of Write ADT for stack. Give apple.	lata structure with exam		10
2	15 1150	Write a program to implement In sort for following input data: 5 Give different searching technique	, 3, 2, 1, 4.		10
3.		Write a program in Java to cop Write a program in Java to sor steps to sort the given number 25, 10, 7, 30, 15, 2, 9	t n integer numbers usin s :		10
4.	20 0	Explain different representation of each representation. What is the use of Huffman Encymbol in sentence "DATA ST	coding ? Apply and give		1.0
5.		Write a Java program to implement write a Java program to create input: 10, 5, 4, 12, 15, 11,	e a binary search tree. S		10
6.	(a)	What is the use of hashing? using Linear probing and quad 62, 36, 55.			10
	(b)	What are the advantages of Li to implement stack using linke		rite a program i n Java	10
7. Write short note on (any two) :					20

(a) Tree traversal algorithm

Priority queue.

(b)

Graph traversal algorithm