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06IS63

Sixth Semester B.E. Degree Examination, June/July 2011 **File Structures**

Time: 3 hrs.

ii)

Linear hashing

Max. Marks:100

(10 Marks)

Note: Answer FIVE full questions selecting at least TWO questions from each part.

		<u>PART – A</u>	
	b	 What are file structures? Explain briefly the history of file structures design. Explain seeking with C and C++ streams. Explain sector based data organization in magnetic disk. Differentiate between constant linear velocity (CLV) and constant angular velocity. 	(06 Marks) (04 Marks) (06 Marks) ty (CAV). (04 Marks)
	2 a	the artifect of a file	(12 Marks)
3	a. b.	Explain how spaces can be reclaimed in files.	(08 Marks) (10 Marks) (10 Marks)
4	a. b.	model? Explain the following: i) K-way merge ii) A selection tree for merging large number of lists.	ents of the (10 Marks)
, 5	a. b.	i) Worst-case search depth	(10 Marks) (10 Marks)
6	a. b.	Explain simple prefix B ⁺ tree and the issues involved in maintenance of such trees.	
7	a. b.		10 Marks) 10 Marks)
8	a. b.	Explain the working of extendible hashing. Write short notes on: i) Dynamic hashing	10 Marks)

2. Any revealing of identifiction, appeal to evaluator and /or equations written eg. 42 16 50, will be treated as malpractice.