(10 Marks)

Write short notes on:

(i) (ii) Dynamic hashing

Linear hashing.



Sixth Semester B.E. Degree Examination, Dec.2018/Jan.2019 File Structures

Time: 3 hrs.

Max. Marks:100

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

		PART – A	
1	a.	What are file structures? Explain briefly the history of file structures design.	(06 Marks)
	b.	Describe the relation between the physical file and logical file.	(04 Marks)
	c.	Briefly explain the different basic ways to organize the data on a disk.	(10 Marks)
2	a.	What are the different ways of adding structures to a file to maintain the identity	of records?
	1	Explain each with example.	(10 Marks)
	b.	What are the different methods of accessing records? Explain direct access.	(04 Marks)
	C.	Define the following terms: (i) File access method (ii) RRN (iii) Meta-d	
		6°	(06 Marks)
2		Evaloin how spaces can be realismed in files	(10 Marks)
3	a.	Explain how spaces can be reclaimed in files. What is mount by an index? Explain the apprecions required to maintain the index	(10 Marks)
	b.	What is meant by an index? Explain the operations required to maintain the index	(10 Marks)
			(10 1.11111)
4	a.	Explain object oriented model for implementing co-sequential processes.	(10 Marks)
	b.	Explain K-Way merging algorithms.	(10 Marks)
		$\underline{PART} - \underline{B}$	
5	a.	Define a B-tree. Explain the creation of a B-tree, with examples.	(10 Marks)
	b.	What are the properties of B-tree? Explain worst case search.	(10 Marks)
6	a.	Explain with an example adding a simple index to the sequence set.	(10 Marks)
	b.	Explain simple prefix B+ tree maintenance.	(10 Marks)
_			(10 34 - 1 -)
7	a.	Define hashing. Explain a simple hashing algorithm.	(10 Marks)
	b.	Explain the different collision resolution techniques.	(10 Marks)
O	0	Explain the working of extendible hashing.	(10 Marks)
O	a.	Explain the working of extendible hashing.	(10 Maiks)

* * * * *

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.