(10 Marks)

(10 Marks)

8

USN

Sixth Semester B.E. Degree Examination, Dec.2019/Jan.2020 File Structures

Time: 3 hrs.

Max. Marks:100

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

		PART – A	
1			(04 Marks)
1	a. b.	Describe the relation between the physical in and the	(10 Marks)
	c.	What is seeking? How it is supported in 'C' streams and 'C++' streams.	(06 Marks)
	C.	What is seeking: How it is supported in C streams	
2	a.	What is a record? Explain different methods for organizing records of a file.	(12 Marks)
	b.	What is the advantage of using inheritance for record buffer classes? Explain.	(08 Marks)
			names assumental and a
3	a.	Define data compression. Explain irreversible compression techniques.	(06 Marks)
	b.	Explain the key-sorting technique and their limitations.	(06 Marks)
	c.	What is inverted list? Discuss it with an example.	(08 Marks)
			(10 Mayles)
4	a.	Explain the object – oriented model for implementing co-sequential process.	(10 Marks) (10 Marks)
	b.	Briefly explain the different methods used to sort files on a tape.	(10 Marks)
		DADT D	
_		$\frac{\mathbf{PART} - \mathbf{B}}{\mathbf{Explain B-tree methods for search () and insert () with necessary C++ code.}}$	(08 Marks)
5	a.	Explain B-tree methods for search () and insert () with necessary C++ code. Explain deletion, merging and redistribution of elements in B-tree.	(12 Marks)
	b.	Explain deletion, merging and redistribution of elements in D tree.	(22 1.2)
_	_	Explain the simple – prefix B + tree.	(05 Marks)
6	a.	Compare the strengths and weakness of B + trees and B - tree.	(05 Marks)
	0.,	Explain the block splitting and merging due to insertion and deletion in the se	quence set,
	Ğ.	with examples.	(10 Marks)
		with examples.	
7	a.	What is Hashing? Explain the simple hashing algorithm.	(10 Marks)
,	b.	Explain the double hashing and chained progressive overflow collision	resolution
	٠.	techniques.	(10 Marks)

2 4 JAN 2020

Explain the working procedure of extendible hashing.

Explain briefly linear hashing and dynamic hashing method.

· ·