## CBCS Scheme

		(SOC) 90	Mans -	
USN				15IS62
		Sixth Semester B.E. Degree Ex	amination, June/July 20	018
		File Struc	tures	
Tin	ne: í	3 hrs.	Ma:	x. Marks: 80
	N	Note: Answer any FIVE full questions, choos	ing one full question from each	module.
		Module	<u>;-1</u>	
1	a.		ares. Briefly discuss the eva	
	b.	structures.  Calculate the space required on tape, if we we bpi tape that has an internal block gap of 0.2 calculate the space required.		or of 60. Hence
		calculate the space required.		(08 Marks)
		OR		
2	a. b.	Write brief notes on:	in the organization of the file.	(08 Marks)
		i) Performance of sequential search ii) Performance of Direct access iii) RRN		(08 Marks)
	3-	26.1.1		, (25 <b>5</b> 1
<b>3</b> a.		Briefly explain with example how spaces of		in fixed length
	•	records file. (08 Marks)		
	b.	What is Data compression? Explain any two	Data Compression algorithms w	ith example. (08 Marks)
		OR		
4	a. b.			(08 Marks) (08 Marks)
		Module	<b>.3</b>	
5	a.	1 77		nstrate with an (08 Marks)
	b.	Using Co-sequential match based on a single	loop, demonstrate intersection o	f two lists. (08 Marks)
		OR		
6	a.			
		ii) Properties of B-tree.		(10 Marks)
	b.	Construct B-tree for the following set of keys CGJXNSUOAEBHIFKLQRTV	: (order H) show every steps cle	•
				(06 Marks)

## Module-4

- 7 a. Explain the following:
  - i) Use of Blocks
  - (ii) Choice of Block size.

(08 Marks)

b. Explain how to add simple index to the sequence set.

(08 Marks)

OR

8 a. With a neat sketch, discuss simple prefix B+ tree and its maintenance.
b. Explain about A variable Order B - tree.
(10 Marks)
(06 Marks)

## Module-5

9 a. What is hashing? Write an hashing algorithm and explain with an example.

(10 Marks)

b. What are the limitations of chained progressive overflow? Explain with an example.

(06 Marks)

## OR

10 a. Explain how extendible hashing works.

(10 Marks)

b. Write short notes on the following:

i) Double hashing

ii) Extendable hashing performances.

(06 Marks)

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