Duration: - 3 Hours **Marks: 80 Marks**

NB: - Question 1 is compulsory
Solve any four questions from Question no. 1 .
Solve any three questions from the remaining.

1	a.	Discuss the objectives of information retrieval systems?	**20 (4x5)**
	b.	Explain the process of Structured Text retrieval model.	
	c.	Explain the taxonomy of Information retrieval Model.	
	d.	Explain the role of pattern matching in Information retrieval.	
	e.	Explain multimedia indexing approach.	
2	a.	Illustrate information retrieval system? Discuss its relationship to DBMS, digital libraries and data warehouses	**10**
	b.	Explain in detail about vector-space retrieval models with an example?	**10**
3	a.	What is local and global analysis and Differentiate between automatic local analysis and global analysis?	**10**
	b.	What is the role of suffix array and suffix tree in information retrieval system with example.	**10**
4	a.	What is the Signature File ? Explainthe structure of signature files with example?	**10**
	b.	What is the significance tf and idf ? How can you calculate tf and idf in vector model?	**10**
5	a.	Compare and contrast evaluation of ranked and unranked Retrieval Results ?	**10**
	b.	Explain Query Processing in context of Distributed IR?	
6		Write short notes on **any two**	**20**
	a.	Roccio method for Query expansion	
	b.	Parametric and zone indices	
	c.	Latent Semantic Indexing Model	
	d.	Flat browsing vshypertext browsing model.	