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.	Define information retrieval and list down classification of information retrieval systems?	**20**
	b.	Explain the process of Structured Text retrieval model.	**(4x5)**
	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?Is the vector space model always superior to the Boolean model?	**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 inverted file? Explain in detail with example.	**10**
	b.	What is the significance tf-idf weight? Can the tf-idf weight of a term in a document exceed 1? Why?	**10**
5	a.	Compare and contrast evaluation of ranked and unranked Retrieval Results ?	**10**
	b.		**10**
		Define multimedia information retrieval. Discuss indexing and searching?	
6		Write short notes on any two	**20**
	a.	Inexact top K document retrieval	
	b.	Parametric and zone indices	
	c.	Latent Semantic Indexing Model	
	d.	Flat browsing vs hypertext browsing model.	

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