

CBCS SCHEME

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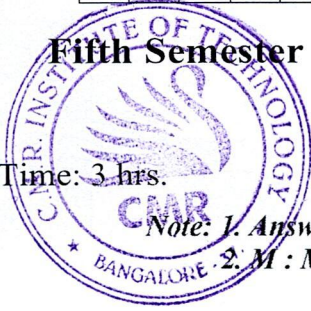
BAI/BCY515B

Fifth Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026 Information Retrieval

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks, L: Bloom's level, C: Course outcomes.*



Module – 1			M	L	C
Q.1	a.	Define Information Retrieval. Explain information retrieval in libraries and digital libraries.	8	L2	CO1
	b.	Explain Software Architecture of the IR system.	12	L2	CO1
OR					
Q.2	a.	Explain classic versus dynamic model of information seeking.	10	L2	CO1
	b.	Explain design and evaluation of search interfaces.	10	L2	CO1
Module – 2					
Q.3	a.	Write the characteristics of IR Model.	8	L2	CO2
	b.	Explain TF-IDF weights.	12	L2	CO2
OR					
Q.4	a.	Explain Bayesian Network Models.	10	L2	CO2
	b.	Explain Extended Boolean Model.	10	L2	CO2
Module – 3					
Q.5	a.	List and explain evaluation measures in TREC collections.	10	L2	CO3
	b.	Explain explicit relevance feedback information.	10	L2	CO3
OR					
Q.6	a.	Explain document preprocessing text operations (transformations).	10	L2	CO3
	b.	Explain organizing documents.	10	L2	CO3
Module – 4					
Q.7	a.	Explain simple string Horspool's algorithm.	10	L2	CO4
	b.	Explain construction of suffix arrays for large texts.	10	L2	CO4
OR					
Q.8	a.	Explain Multiple Word Queries.	10	L2	CO4
	b.	Explain structure for Tries and Suffix Trees.	10	L2	CO4
Module – 5					
Q.9	a.	Explain Cluster-Based Architecture.	10	L2	CO5
	b.	Explain Retrieval Task.	10	L2	CO5
OR					
Q.10	a.	Explain Static Vs Dynamic Structure.	10	L2	CO5
	b.	Explain Signal Hierarchy Vs Multiple Hierarchy.	10	L2	CO5

