



ACE

Engineering College

(An Autonomous Institution)

Question Paper Code:

CD522PE

ACE-R20

III B. Tech- I Semester Supplementary Examination - JULY -2023

INFORMATION RETRIEVAL SYSTEMS

Common to CSM & CSD

Time: 3 Hours

Max. Marks: 70

H. T. No									

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b as sub questions

PART- A

MARKS: 10*2=20

Q.No: 1

Question

Marks

- | | |
|--|---|
| a) Define Information Retrieval System. | 2 |
| b) Define the term Masking. | 2 |
| c) What is Information Extraction? | 2 |
| d) Define Hypertext Structure. | 2 |
| e) What is automatic indexing? | 2 |
| f) What is item clustering? | 2 |
| g) Define Binding. | 2 |
| h) What is perception? | 2 |
| i) List three types of media beyond text that could be indexed for subsequent retrieval. | 2 |
| j) Define tracking and detection. | 2 |

PART- B

MARKS: 5*10=50

Q.No	Question Description	Marks
2.	Explain the functional overview of the Information Retrieval System.	10
	(OR)	
3	(a)Write brief notes on digital libraries and data warehouse.	6
	(b)What problems need to address when using a DBMS as part of an Information retrieval System?	4
4	What is Hypertext data structure? Where is this data structure extensively used in? Explain.	10
	(OR)	
5.	(a) Write the advantages of N-grams. How N-grams is used in spelling error detection and correction?	6
	(b) Write about PAT data structures.	4
6	(a)Explain statistical indexing in detail.	6
	(b)Compare and contrast manual clustering and Automatic Term Clustering.	4
	(OR)	
7	(a) Explain concept indexing in detail.	5
	(b) Clearly bring out the steps of the process of clustering.	5
8	Write short notes on the following with examples i) Similarity measures ii) Ranking algorithms	10
	(OR)	
9	With an example, describe in detail about relevance feedback and its impact and effect of relevance feedback.	10
10	Briefly explain Text search techniques.	10
	(OR)	
11	Write short notes of the following: (a)Spoken Language Audio retrieval (b)Imagery retrieval	10