



# ACE

## Engineering College

(An Autonomous Institution)

Question Paper Code:

CD522PE

ACE-R20

### Semester End Examination

#### III B. Tech- I Semester Regular- JAN/FEB -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, c as sub questions

PART- A

MARKS: 10\*2=20

Q.No:1	Question	Marks
a)	What is a search engine?	2
b)	What is Browse capability?	2
c)	Define stemming.	2
d)	What is Multimedia indexing?	2
e)	Define clustering.	2
f)	Define Natural Language Processing.	2
g)	What is relevance feedback?	2
h)	What are the weighted searches of boolean systems?	2
i)	Define Multimedia information retrieval.	2
j)	List three applications for content-based video.	2

## PART- B

MARKS: 5\*10=50

Q.No	Question Description	Marks
2.	Define Information Retrieval System. Explain the objectives of the Information Retrieval System.	10
(OR)		
3	(a) Write a brief note on Information Retrieval System capabilities. (b) How the Information Retrieval System is related to Database Management System?	6 4
4	Briefly explain how Automatic Indexing, Information Extraction works.	10
(OR)		
5.	Explain in detail about "Inverted File Structure".	10
6	(a) Explain about classes of Automatic Indexing in detail. (b) What is the process involved in Term clustering?	6 4
(OR)		
7	(a) Explain about hypertext linkages. (b) Write short notes on Thesaurus.	6 4
8	(a) Why is relevance feedback required in User Search Techniques? Explain. (b) Describe the need for information visualization.	6 4
(OR)		
9	(a) How Selective dissemination of information search is done to the user? (b) Discuss about cognition and perception in detail.	5 5
10	(a) Differentiate hardware versus software text search algorithms. (b) Discuss text scanning system.	5 5
(OR)		
11	How the information system is evaluated and what are the measures used in it?	10