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