ACE
Engineering College
(An Autonomous Institution)

Question Paper Code: | CD522PE

ACE-R20

Semester End Examination
III B. Tech- I Semester Regular & Supplementary - March-2024
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

<div align="center">PART- A   MARKS: 10*2=20</div>

Q.No: 1	Question	Marks
a)	What is the difference between the concept of a "Digital Library" and an Information Retrieval System?	2
b)	What is zoning?	2
c)	Explain precoordination and linkages.	2
d)	Explain the use of XML.	2
e)	Write a short note on clustering.	2
f)	Define dendogram.	2
g)	Explain query binding.	2
h)	List some areas where information visualization and presentation can help the user.	2
i)	Discuss Fast Data Finder technique.	2
j)	What kind of features in audio can be used to index the content?	2

PART- B   MARKS: 5*10=50

Q.No	Question Description	Marks

2. Discuss the objectives of information retrieval systems.   10

(OR)

3 Summarize about the miscellaneous capabilities.   10

4 How does the process of information extraction differ from the process of document indexing?   10

(OR)

5. a)Describe the similarities and differences between Term Stemming algorithms and   [5]
b)N-gram data structures. Describe how they affect precision and recall.   [5]

6 a) Explain how Thesaurus are used to expand a query.   [5]
b) Explain One Pass Assignments.   [5]

(OR)

7 Summarize Concept Indexing.   10

8 a)Discuss the difficulties of a user being able to correlate his search to the Hit file.   [5]
b)What approach would you use to overcome these problems   [5]

(OR)

9 Explain about Cognition and Perception in information visualization.   10

10 Explain Boyer-Moore Algorithm with an example.   10

(OR)

11 Summarize Video Retrieval.   10