CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Regular) - June- 2025
INFORMATION RETRIEVAL SYSTEM
(Common for CSE, CSD)

[Time: 3 Hours]   [Max. Marks: 60]

Note: This question paper contains two parts A and B.
   Part A is compulsory which carries 10 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   (10 Marks)

1. a) Define IRS.   [1M]
   b) Write any two Key Features of IRS.   [1M]
   c) What is the main purpose of cataloging?   [1M]
   d) What is hypertext?   [1M]
   e) Define Signal Weighting.   [1M]
   f) Write any two different types of Clustering.   [1M]
   g) Define Binding.   [1M]
   h) Define Proximity.   [1M]
   i) Define Fast Data Finder (FDF).   [1M]
   j) Define Multimedia.   [1M]

PART-B   (50 Marks)

2. Explain the functional overview of Information Retrieval Systems.   [10M]
OR
3. Describe the Search Capabilties of IRS.   [10M]

4. Discuss the differences between manual and automatic indexing with advantages and   [10M]
    limitations.
OR
5. Explain how XML is used to store and retrieve structured information in IR systems. [10M]

6. Discuss the Classes of Automatic Indexing.   [10M]
OR
7. Explain the Complete Term Relation Method & Automatic Term Clustering.   [10M]

	Term1	Term2	Term3	Term4	Term5	Term6	Term7	Term8
Item1	0	4	0	0	0	2	1	3
Item2	3	1	4	3	1	2	0	1
Item3	3	0	0	0	3	0	3	0
Item4	0	1	0	3	0	0	2	0
Item5	2	2	2	3	1	4	0	2

8. Explain the Similarity Measures and Ranking.   [10M]
OR
9. Define the Cognition and Perception and write any two visualization techniques. [10M]

10. Explain the Software Text Search Algorithms.   [10M]
OR
11. Explain the Spoken Language Audio Retrieval & Non-Speech Audio Retrieval. [10M]
                                    ****