MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act.1956

MLRS

III B.Tech I Sem Regular End Examination, December 2022
Information Retrieval Systems
(CSE)

Time: 3 Hours.   **Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.
      2. In Part – A, answer all questions which carries 20 marks.
      3. In Part – B, answer any one question from each unit.
        Each question carries 10 marks and may have a, b as sub questions.

PART- A
(10*2 Marks = 20 Marks)

1.	a)	What is index database search?	2M	CO1	BL1
	b)	Define canned query.	2M	CO1	BL1
	c)	What is weighted indexing system?	2M	CO2	BL1
	d)	What is SMART system?	2M	CO2	BL1
	e)	What is hypertext linkage?	2M	CO3	BL1
	f)	What is the goal of clustering?	2M	CO3	BL1
	g)	Give examples of query binding.	2M	CO4	BL1
	h)	Define cognitive engineering.	2M	CO4	BL1
	i)	List three applications for content-based video?	2M	CO5	BL1
	j)	What is audio retrieval?	2M	CO5	BL1

PART- B
(10*5 Marks = 50 Marks)

2	a)	Explain about Selective Dissemination of Information.	5M	CO1	BL4
	b)	Describe Concept and Thesaurus Expansions in detail.	5M	CO1	BL2

OR

3	a)	Discuss about digital libraries and data warehouses.	5M	CO1	BL2
	b)	Explain in detail about Miscellaneous Capabilities.	5M	CO1	BL4

4	a)	Explain about information extraction in detail.	5M	CO2	BL4
	b)	Discuss about Porter Stemming algorithm.	5M	CO2	BL2

OR

5 a) Describe history and objectives of Indexing.   5M CO2 BL2

b) Assuming the database has the following words: act, able, arch, car, court, waste, wink, write, writer, wrinkle. Show the successor variety for the word "writeable." Apply the cutoff method, peak and plateau method and complete word method to determine possible stems for the word. Explain your rationale for the cutoff method.   5M CO2 BL3

6 a) Explain about Probabilistic Weighting in detail.   5M CO3 BL4

b) Describe classes of automatic indexing.   5M CO3 BL2

OR

7 a) Discuss about concept indexing.   5M CO3 BL2

b) Describe Simple Term Frequency Algorithm.   5M CO3 BL2

8 a) Briefly explain about Selective Dissemination of Information Search.   5M CO4 BL4

b) Discuss about Information Visualization Technologies.   5M CO4 BL2

OR

9 a) Explain about Weighted Searches of Boolean Systems.   5M CO4 BL4

b) Describe cognition and perception in detail.   5M CO4 BL2

10 a) Explain about Hardware text search systems.   5M CO5 BL4

b) Discuss about Video Retrieval.   5M CO5 BL2

OR

11 a) Write a brief introduction to Text Search Techniques.   5M CO5 BL1

b) Describe Non-Speech Audio Retrieval and Graph Retrieval.   5M CO5 BL2

---oo0oo---

CO - Course Outcome   **BL - Blooms Taxonomy Levels**