FACULTY OF INFORMATICS

M.C.A. (2 Years Course) III- Semester (CBCS) (Backlog) Examination, October/ November 2023

Subject: Information Retrieval System (E-I)

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

Note: I. Answer one question from each unit. All questions carry equal marks.
II. Missing data, if any, may be suitably assumed.

Unit – I

1. a) What is Retrieval strategy? Explain different types of retrieval strategies.
   b) Describe briefly about non-binary independence model.

(OR)

2. a) Describe briefly Language model with one example.
   b) What is Smoothing Approach?

Unit – II

3. a) Explain important issues related to Retrieval Utilities.
   b) Write briefly about Clustering.

(OR)

4. a) Write briefly about Regression analysis and stages involved in it.
   b) Discuss about Thesauri.

Unit – III

5. a) Discuss in detail about Parsing.
   b) Explain briefly about Semantic network retrieval utility.

(OR)

6. a) Explain the purpose of POS and word sense tagging in complex phrase.
   b) Write about Crossing the language barrier.

Unit – IV

7. a) How can we improve the efficiency of index compression.
   b) Write about Query Processing.

(OR)

8. a) Explain in detail about Duplicate document detection.
   b) Discuss in detail about Inverted index compression.

Unit – V

9. a) Write about the Evaluation of Web Search.
   b) Explain in detail about Boolean Retrieval.

(OR)

10. a) Write a short note on High precision Search.
    b) Discuss in detail about page rank.

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