Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(CSE Engg.) EI-IV (2015 to 2017)   (Sem.–3)
INFORMATION RETRIEVAL
Subject Code : MTCS-305
Paper ID : [74162]

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTION TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. What are the various Text processing algorithms? Explain them in detail. What are the various search engine optimization while managing the system?

2. a. Briefly describe the concept of Ranking and how multi category ranking is possible in information categorization.

   b. What are the various Text search algorithms? Explain them in detail.

3. Explain the concept of language models. What are the types of language model? Write the advantages of N-grams. How N-grams is used in spelling error detection and correction?

4. a. What are the various types of indexing?

   b. Explain the techniques for creation of index when the terms of original item are used as basis of index process.

5. a. What are the conclusions given by Frakes on stemming?

   b. Write in brief about decision support system.

6. a. Explain about automatic term clustering.

   b. Explain the term sentiment analysis. Discuss document level sentiment analysis with example.

7. What is precision and what is recall? Briefly describe the effects of Precision and Recall on total document search space, and describe ideal and achievable values.

8. Discuss about classification with example. Differentiate between probabilistic, linear and similarity based classifiers.