M.Tech.(CSE Engg.) (2015 to 2017 El-I) (Sem.–3,5)

INFORMATION RETRIEVAL
Subject Code : MTCS-305
M.Code : 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. A. Explain how the search process takes place when the information is retrieved.

    B. Distinguish term clustering and item clustering. Explain with suitable examples.

2. A. What is concept recommender systems? Explain in detail with a suitable example.

    B. Explain the techniques used in Translation, question answering and summarizing.

3. Explain query processing models and Probabilistic Model in detail explaining each type of model.

4. Define Information Retrieval System. Explain the objectives of the Information Retrieval System and discuss the relevance of Information Retrieval Systems in the context of Digital libraries.

5. A. Explain the concept of Inverted index file. How it can be used Information Retrieval?

    B. What is passage retrieval and ranking?

6. What is a stop list and discuss its impact in information retrieval? Give some examples of stop words. How can it be used along with lexical analyser in an application?

7. A. What is stemming algorithm? Describe in detail, how stemming algorithm helps to improve the recall.

    B. Discuss about selective dissemination information search techniques with examples.

8. Explain in brief :

    A. Relevance feedback Selection

    B. GIS

    C. Probabilistic Classifiers

    D. Corpora

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student..