B.Tech. Degree VII Semester Examination, November 2009

CS/IT 705(B) INFORMATION RETRIEVAL

Time: 3 Hours Maximum Marks: 100

PART – A

(Answer ***ALL*** questions)
(All questions carry ***EQUAL*** marks)

(8 x 5 = 40)

I. (a) Define Fuzzy set Theory.
(b) Distinguish between Data and Information retrieval.
(c) What is meant by Document clustering?
(d) Write the features of Inverted file compression.
(e) Write a note on Flynn's classification of parallel architecture.
(f) Write a note on Distributed Information Retrieval.
(g) Write a note on Google search engine.
(h) What are the various web tools used for browsing and searching?

PART – B

(4 x 15 = 60)

II. (a) Describe various classical models of Information Retrieval. (8)
(b) Write a note on Fuzzy Information Retrieval. (7)

OR

III. (a) Describe the features of Neural Networks in Information Retrieval. (8)
(b) Write a note on Retrieval Evaluation. (7)

IV. (a) Explain various phases in document in document pre-processing. (8)
(b) Explain any three main structural queries. (7)

OR

V. (a) Describe the Huffman compression algorithm in detail with the help of an example. (8)
(b) Write a note on Suffix tree and Suffix array. (7)

VI. Explain the implementation of Inverted files in MIMD architecture. (15)

OR

VII. Describe the implementation of inverted files and signature files in SIMD Architecture. (15)

VIII. Explain the architecture of a centralized and distributed search engine with figures. (15)

OR

IX. Write short notes on:
(i) Meta searcher (ii) Crawler (iii) Page Ranking (15)

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