FACULTY OF INFORMATICS

B.E. 4/4 (IT) II-Semester (Main) Examination, April / May 2013

Subject : Information Retrieval Systems
(Elective - IV)

Time : 3 Hours   **Max. Marks: 75**

Note: Answer all questions of Part - A and answer any five questions from Part-B.

PART – A (25 Marks)

1. What is Information Retrieval process?   (2)
2. What is the logical view of the document?   (3)
3. Differentiate Browsing Vs. Searching.   (2)
4. What is Edit distance? Explain with an example.   (3)
5. Define entropy.   (2)
6. What is the advantages of suffix arrays over suffix trees?   (3)
7. Define precision and Recall.   (3)
8. Write about Document processing operations.   (3)
9. What are the steps of searching algorithm on an Inverted Index?   (2)
10. Write about structural queries.   (2)

PART – B (5x10=50 Marks)

11. Explain about the following classical IR models.   (10)
    (a) Boolean
    (b) Vector

12. Describe the following:
    (a) Types of Browsing   (5)
    (b) Model based on Non-over lapping lists for structured text retrieval models.   (5)

13. Explain about structural queries.   (10)

14. Explain text compression using Huffman coding.   (10)

15. Explain about various local clustering Techniques.   (10)

16.(a) Describe about Mark-up languages.   (6)
   (b) Write about Multi-media file formats.   (4)

17. Discuss parallel and distributed IR.   (10)

*****