

Code No: 5158T

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech II Semester Examinations, October - 2015

INFORMATION RETRIEVAL SYSTEMS

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 60

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit.

Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 marks = 20

- 1.a) Discuss search structures for dictionaries. [4]
- b) Write short notes on weighted zone scoring. [4]
- c) Discuss the most commonly used language modeling approach to IR. [4]
- d) Write short notes on flat clustering. [4]
- e) Write short notes on features of a crawler. [4]

PART - B

5 × 8 marks = 40

2. Discuss different compression techniques for dictionary. [8]
- OR
3. Discuss different index construction algorithms. [8]
4. Discuss vector space model. [8]
- OR
5. Discuss the algorithm for implementing relevance feedback. [8]
6. Explain basic concepts of XML and tree representation of XML documents and queries. [8]
- OR
7. Explain about vector space classification. [8]
8. Discuss issues in the classification of text documents. [8]
- OR
9. Write short notes on hierarchical clustering and SVM. [8]
10. Write short notes on:
a) Link analysis
b) URL frontier. [4+4]
- OR
11. Write short notes on:
a) Crawler architecture
b) Types of search queries. [4+4]