Code : R7411205

R07

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012

INFORMATION RETRIVAL SYSTEMS

(Information Technology)

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1.   Give the functional overview of information storage and retrieval systems.

2.   (a)   Explain the concepts of proximity and contiguous word phrases.
      (b)   What is a natural language query? Explain.
      (c)   What is a canned query?

3.   (a)   Compare and contrast pre coordination with post coordination.
      (b)   Explain indexing by term using probabilistic model.

4.   (a)   Discuss successor stemmer, quote suitable example.
      (b)   Describe N-gram data structures.

5.   (a)   Explain simple term frequency algorithm.
      (b)   What are the problems with weighting schemes?

6.   (a)   Discuss the steps in the process of clustering.
      (b)   Describe clustering using existing clusters.

7.   (a)   List the various similarity measures used to calculate the similarity between the item and the search statement.
      (b)   Discuss the three types of reasoning scenarios.

8.   (a)   Explain Knuth – Morris – Pratt algorithm for text search with an example.
      (b)   What are the measures used in system evaluations.

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