Code :R7411205

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
INFORMATION RETRIEVAL SYSTEMS
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. (a) Define Information retrieval system. Discuss its objectives.
   (b) What is the relationship between IRS and DBMS?
   (c) Give a note on digital libraries.

2. (a) What is meant by term masking? Explain.
   (b) Discuss concept/thesaurus expansion.
   (c) Describe ranking as a browing capability.

3. (a) How does the process of information extraction differ from the process of document indexing? Explain.
   (b) Does high specificity always imply high exhaustively. Justify your answer.

4. (a) Explain portee stemming algorithm.
   (b) Describe signature file structure.

5. (a) Discuss about inverse document frequency.
   (b) Explain Bayesian model with example.

6. (a) Describe complete term relation method with a suitable example.
   (b) Discuss the differences between the single link, the clique and the star clusters.

7. (a) Write about Hidden Markov Model.
   (b) What is the impact of relevance feedback on search technique? Explain.

8. (a) Explain Boyer - Moore algorithm for test search with an example.
   (b) What is the relationship between precision and TURR.

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