

Code No: C6203**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I - Semester Examinations, APRIL/MAY-2012****INFORMATION RETRIEVAL SYSTEMS****(WEB TECHNOLOGIES)****Time: 3hours****Max. Marks: 60**

**Answer any five questions
All questions carry equal marks**

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- 1.a) Explain the process 'Zoning'.
- b) What is meant by standardizing the input? Explain.
2. Compare Boolean query and natural language queries with suitable examples.
- 3.a) Compare automated indexing and multimedia indexing.
- b) What is Match Plus system? What are its uses?
- 4.a) Explain the advantages of n - grams.
- b) What is a vector? Explain the two approaches to the domain of values in the vector.
- 5.a) What is a homograph?
- b) Explain about Vocabulary constraints.
- c) How clustering effects precision and recall?
- 6.a) What is spatial frequency? Explain with an example.
- b) How the similarity measures are applied to statistical systems?
7. Construct the finite state automata for the following set of terms.
 - a) BIT, FIT, HIT, MIT, PIT, SIT
 - b) CAN, CAR, CARPET, CASE, CASK, CAKE.
- 8.a) List and briefly explain about the languages used for retrieval of multimedia information.
- b) Give a brief note about online IR systems.

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