Code No: B4003

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Examinations, October/November 2011
INFORMATION RETRIEVAL SYSTEMS
(INFORMATION TECHNOLOGY)

Time: 3hours   **Max. Marks: 60**
Answer any five questions
All questions carry equal marks
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1.a) Describe in detail about the Item Normalization.
  b) How does DBMS useful in Information retrieval system? [12]

2.a) What is a contiguous word phrase? Explain its concept.
  b) List and explain the Information system capabilities. [12]

3.a) List any three objectives of indexing and explain each one of them with the help of example.
  b) What are the major techniques for creation of the index and explain any one of them with the help of example? [12]

4.a) Describe the concept of stemming with an example.
  b) Construct PAT Binary tree for input of "10011100101101". [12]

5.a) Draw the data flow in information processing system? Explain.
  b) What are the major drawbacks of signal weighting? [12]

6.a) Why the negative feedback is not better than positive feed back to improve a query?
  b) List and explain any three similarity measures. [12]

7.a) Draw and explain the architecture of text streaming.
  b) What are the differences between the soft text search and hard text search algorithms? [12]

8. What is term clustering? Explain it with the help of example. [12]

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