**R09**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**M.TECH II SEMESTER EXAMINATIONS, APRIL/MAY-2012**
**WEB DATA MINING**
**(WEB TECHNOLOGIES)**

**Time: 3hours**                                                      **Max. Marks: 60**

**Answer any five questions**
**All questions carry equal marks**
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1.a)   What are association rules? Explain them with examples.
  b)   Explain the data formats for association rule mining.

2.a)   Discuss about mining sequential patterns on GSP.
  b)   Explain the learning algorithm for decision tree induction.

3.   Explain clearly the K-means clustering and K-means algorithm.

4.   List out various information retrieval methods and explain any two of them in detail.

5.a)   Explain about Meta search and web spamming
  b)   Explain the page rank algorithm.

6.   What is meant by web crawling? Explain the Breadth first Crawlers and preferential Crawlers.

7.a)   Explain the feature based opinion mining.
  b)   Discuss clearly about data modeling for web usage mining.

8.   Write short notes on the following:
     a) Correlation analysis
     b) Opinion spam
     c) Complete link method.

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