## Ph.D./Math.Sc/296

- **5.** What is a search engine? How does a search engine perform searching?
- **6.** Explain the following:-
  - (a) Relevance Ranking
  - (b) Semantic Web
  - (c) Software Agents
  - (d) Web Directories
- **7.** What is the significance of compression? Explain any two text compression methods.
- **8.** Explain social network analysis. How do we model the web?

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## Ph.D. Course Work Examination, 2013-14

**Mathematical Science** 

Paper: MSPR-17

Information Retrieval and Web Mining

Time: Three Hours Full Marks: 100

(Write your Roll No. at the top immediately on the receipt of this question paper)

**Note:** Attempt any **five** questions. Each question carries **equal** marks.

- **1.** Explain with suitable example Fuzzy information Retrieval and Inverted Index.
- **2.** Describe the taxonomy of information Retrieval models and Bayesian Network.
- **3.** What is IR? Explain any two classic models in information Retrieval.
- **4.** What do you mean by semantics of a document? Explain document preprocessing procedure.