67334

iii) Cloakingiv) XML schema

v) Crawler

Q. 2 Attempt the following (Any THREE) (Each of 5Marks)

(15M)

- (a) What is the need of Information retrieval? Discuss.
- **(b)** Brief the history of Information retrieval.
- **(c)** What are the components of Information retrieval? Explain.
- (d) List the forms of spelling correction in Information retrieval. Explain.
- (e) Give in detail the technique for tolerant retrieval.
- **(f)** Draw the inverted index that would be built for the following document collection.
 - Doc 1 new home sales top forecasts
 - Doc 2 home sales rise in july
 - **Doc 3** increase in home sales in july
 - Doc 4 july new home sales rise

Q. 3 Attempt the following (Any THREE) (Each of 5Marks)

(15M)

- (a) Discuss in detail Hubs and Authorities.
- **(b)** Define Page rank. How to compute page rank for a webpage? Give example.
- **(c)** Write a note on Personalized search.
- (d) Explain the concept of Collaborative filtering.
- (e) What are snippet generation and two kinds of summary? Explain.
- (f) Give the meaning of cross lingual retrieval. Analyse its process.

Q. 4 Attempt the following (Any THREE) (Each of 5Marks)

(15M)

- (a) Brief the structure of Web.
- (b) Discuss categories of user needs in web queries for query analysis.
- (c) Write a note on Spam.
- (d) What are the basic building blocks of Search Engine Architecture? Explain.
- (e) Differentiate Text Centric vs. Data Centric XML retrieval.
- **(f)** Discuss the challenges in XML retrieval.

Q. 5 Attempt the following (Any THREE) (Each of 5Marks)

(15M)

- (a) Compute the Levenshtein edit distance between "paris" and "alice".
- **(b)** Write a note on paid placement.
- **(c)** Discuss evaluation of XML retrieval.
- (d) What is MapReduce? Explain its paradigm.
- **(e)** Briefly explain the concept of Question answering in IR.

67334