**Chapter 6**

**Set 1**

***Tutorial A***

Web Search has its root in Information retrieval.

* Briefly explain how is Information Retrieval carried out.
* Briefly explain the Statistical language model for information retrieval?

***Tutorial B***

Explain how a web search engine work?

**Set 2**

***Tutorial A***

Web Search has its root in Information retrieval

* Briefly explain how is Information Retrieval carried out?
* Briefly explain the Vector space model for information retrieval?

***Tutorial B***

How do meta search engines work?

**Set 3**

***Tutorial A***

Web Search has its root in Information retrieval

* Briefly explain how is Information Retrieval carried out?
* Briefly explain the Rochhio Methods for relevance feedback?

***Tutorial B***

Briefly explain the various web page pre-processing tasks?

**Set 4**

***Tutorial A***

Web Search has its root in Information retrieval

* Briefly explain how is Information Retrieval carried out?
* Briefly explain the Machine Learning Methods for relevance feedback?

***Tutorial B***

Explain the concept of content spamming and link spamming

**Chapter 7**

**Set 5**

***Tutorial A***

* Explain the concept of Social network analysis using Centrality.
* Explain the concept of Co-citation and Bibliographic coupling.

***Tutorial B***

Google search engine uses PageRank Algorithm. Explain and asses the working and capabilities of PageRank Algorithm.

**Set 6**

***Tutorial A***

* Explain the concept of Social network analysis using Prestige.
* Explain the concept of Co-citation and Bibliographic coupling.

***Tutorial B***

Explain and asses the working capabilities of HITS algorithm.

**Chapter 8**

**Set 7**

***Tutorial A***

* How do web crawlers work? Explain the basic idea behind a Breadth-First crawler.
* Discuss the implementation issues of ‘Fetching’ and ‘Spider Traps’ while implementing a crawler.

***Tutorial B***

Explain the functionality of a ‘Focussed Crawler’.

**Set 8**

***Tutorial A***

* How do web crawlers work? Explain the basic idea behind a Preferential crawler.
* Discuss the implementation issues of ‘Parsing’ and ‘Concurrency’ while implementing a crawler.

***Tutorial B***

Explain the functionality of a ‘Topical Crawler’.

**Chapter 11**

**Set 9**

***Tutorial A***

* Explain the concept of Opinion mining in a Social network
* How is sentiment classification carried out in Social networking platforms?

***Tutorial B***

How do you carry out Comparative opinion mining?

**Set 10**

***Tutorial A***

* Explain the concept of Opinion mining in a Social network
* Explain the concept of Aspect Based Opinion Summary

***Tutorial B***

Discuss the issues of spam detection in opinion mining and ways and means of over coming these challenges.