



**Either:**

4. a) Explain in detail about XML Retrieval. 8
- b) Write a detail note on vector space model. 8

**OR**

- c) Write a brief note on. 8
- i) Relevance feedback ii) Query expansion.
- d) What is Tolerant Retrieval? Explain with suitable example. 8
5. Attempt all the questions.
- a) Write a short note on Image Map in HTML. 4
- b) Explain in short about creation of scrolling message. 4
- c) Write a short note on Regular expression. 4
- d) Write in short about probabilistic Information retrieval. 4

\*\*\*\*\*