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<b>Question Paper Code: 4053062</b>
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M.E. / M.Tech. DEGREE EXAMINATIONS, NOV/ DEC 2024

Third Semester

Computer Science and Engineering

P23CSE09 – INFORMATION EXTRACTION AND INFORMATION RETRIEVAL

(Regulation 2023)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

PART – A

(10 x 2 = 20 Marks)

1. What are the basic characteristics of Web.
2. Compare Information retrieval and Web search.
3. Infer whether the tf-idf weight of a term in a document can exceed 1.
4. Compare Relevance Feedback with Explicit Relevance Feedback.
5. What are the desirable properties of a Clustering algorithm?
6. Recall Sequential search in detail.
7. Define Web Crawling.
8. Illustrate Hashing technique with example.
9. Define Neighborhood models.
10. Infer the disadvantages of Content based recommendation system.

PART – B

(5 x 16 = 80 Marks)

11. (a) Define the various components of Information Retrieval System with neat diagram. (16)

(OR)

- (b) Recall the process of Web search and the components of a search engine. (16)

12. (a) Explain Boolean retrieval model with an example. (16)

(OR)

- (b) Explain Latent Semantic Indexing in detail and describe the approach for Information retrieval task. (16)

13. (a) Recall Sequential search in detail. (16)

(OR)

- (b) Show an working illustration of Decision Tree Algorithm for an example. (16)

14. (a) Compare a Web Search Architecture with Components of Search Engine and its issues. (16)

(OR)

- (b) Based on the applications of Search Engines, Analyze the categorization method and issues faced while categorizing. (16)

15. (a) Explain Collaborative filtering and Content based recommendation system with an example. (16)

(OR)

- (b) Infer the Recommendation based on User Ratings using appropriate example. (16)