

C 80832

(Pages : 2)



**SIXTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE
EXAMINATION, APRIL 2015**

IT 09 L05—INFORMATION RETRIVEL

Time : Three Hours

Maximum : 70 Marks

Part A

1. What is the purpose of information retrieval process ?
2. Describe IR model.
3. Mention the drawbacks of earlier information retrieval techniques.
4. List few types of indexing and searching techniques.
5. What are the different types of query languages used in web search engines ?

(5 × 2 = 10 marks)

Part B

6. Write short notes on probabilistic information retrieval models.
7. Compare recall and precision measures for different datasets with example.
8. What is the purpose of the CACM and ISI data sets in retrieval process ?
9. Explain some text search algorithms.
10. What are the various properties of searching techniques ?
11. Explain briefly about ranking system.

(4 × 5 = 20 marks)

Part C

12. (a) Explain the concepts involved in logical view of document modeling.

Or

- (b) Describe the following retrieval models with its pros and cons :—

- (i) Set theoretic ;
- (ii) Algebraic model ;
- (iii) ad-hoc retrieval and filtering model.

13. (a) Explain various query protocol in detail with examples.

Or

- (b) Explain TERC data set with neat illustration to show its performance evaluation.

Turn over

14. (a) Explain in detail about different types of multimedia languages with its performance evaluation metrics.

Or

- (b) Write short notes on searching operations and how they are enumerated to effective retrieval.
15. (a) Explain how spatial access method is used for clustering and searching.

Or

- (b) Discuss in detail about dynamic search and software agents in retrieval process.

(4 × 10 = 40 marks)