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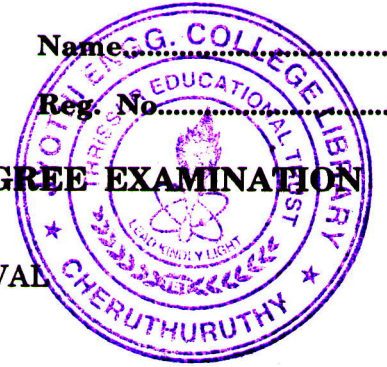
SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION JUNE 2009

IT 04 606—INFORMATION RETRIEVAL

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Answer **all** *questions.*

Part A

1. (a) What is information retrieval ?

   (b) Explain the process of filtering.

   (c) Discuss any *one* measure used for performance evaluation of IR.

   (d) Explain context queries with *two* examples.

   (e) Define Metadata.

   (f) Explain suffix arrays with examples.

   (g) What are distance functions ?

   (h) How to measure the web ? Explain.

   (8 × 5 = 40 marks)

Part B

2. (a) (i) Explain the present and future of IR.   (8 marks)

      (ii) Explain set theoretic and algebraic IR models.   (7 marks)

   Or

   (b) Write note on Taxonomy of IR models.   (15 marks)

3. (a) (i) What are TREC and CACM ? Explain in detail.   (8 marks)

      (ii) With examples explain query operations.   (7 marks)

   Or

   (b) (i) Write note on performance evaluation of IR.   (8 marks)

      (ii) What are query protocols ? Explain.   (7 marks)

Turn over

4. (a) (i) Discuss the salient features of market languages. (8 marks)

(ii) Compare signature files and inverted files. (7 marks)

Or

(b) (i) What are multimedia data formats ? Explain. (8 marks)

(ii) What is pattern matching ? Briefly explain. (7 marks)

5. (a) Write note on search engines.

Or

(b) Explain : Software Agents, Feature Extraction.

(15 marks)

[4 × 15 = 60 marks]