

C 32024

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Name.....

Reg. No.....

**SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2007**

IT 04 606—INFORMATION RETRIEVAL

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

1. (a) What is meant by "Logical view of documents" ?
(b) Explain "filtering" process in the IR system.
(c) Define "Recall and Precision" related to retrieval evaluation.
(d) Explain Query protocols.
(e) Specify the properties associated with multimedia languages.
(f) Define Pattern matching.
(g) Explain "Feature Extraction".
(h) Define Page Ranking and Web Crawling.

(8 × 5 = 40 marks)

2. (a) Write note on "Taxonomy of IR models".

(15 marks)

Or

- (b) Describe the features of :

- (i) Set theoretic.
- (ii) Algebraic.
- (iii) Probabilistic IR models.

(3 × 5 = 15 marks)

3. (a) What are reference collection ? Discuss any *two*.
(b) Compare Keyword queries with Context queries.

(8 marks)

(7 marks)

Or

- (c) Write note on salient features of Query languages.
4. (a) How do Mark up languages differ from Multimedia languages ?
(b) What are "Inverted files" ? Explain the usage with examples.

(15 marks)

(8 marks)

(7 marks)

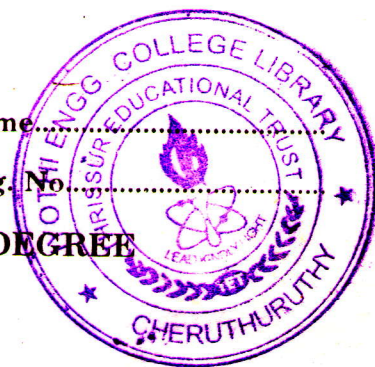
Or

- (c) Explain "data formats" associated with multimedia
- (d) What are (i) Suffix trees ; and (ii) Suffix arrays ?

(7 marks)

(8 marks)

Turn over



5. (a) Explain how distance functions help in image processing.

(8 marks)

(b) What is "characterizing of measuring the web"? Explain.

(7 marks)

Or

(c) Write note on Search Engines.

(15 marks)

[4 × 15 = 60 marks]