

C 14755

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Name.....

Reg. No.....

**SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, DECEMBER 2010**

IT 04 606—INFORMATION RETRIEVAL

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. (a) Explain logical view of documents.
- (b) What is adhoc retrieval ?
- (c) What are various multimedia data formats ? Explain.
- (d) Discuss in brief sequential searching.
- (e) What is retrieval evaluation ?
- (f) Explain Query protocols.
- (g) Outline the approach used in multimedia indexing.
- (h) What is dynamic search ? Explain.

(8 × 5 = 40 marks)

Part B

2. (a) Explain the taxonomy of IR models.

Or

- (b) Describe the features of :

Probablistic models.

Browsing models.

3. (a) (i) Explain Recall and Precision. (8 marks)
- (ii) Discuss features of context queries and Boolean queries. (7 marks)

Or

- (b) (i) Write note on reference collections. (10 marks)
- (ii) Explain query operations with examples. (5 marks)

4. (a) (i) Discuss the properties of multimedia languages. (8 marks)
- (ii) What are suffix trees and suffix arrays ? Explain. (7 marks)

Or

- (b) (i) Write note on markup languages. (8 marks)
- (ii) Briefly explain with examples, pattern matching. (7 marks)

Turn over

5. (a) (i) Explain methods associated with spatial access in multimedia.

(8 marks)

(ii) Discuss Ranking and Crawling in web.

(7 marks)

Or

(b) Explain how Information retrieval and Image processing are related.

(15 marks)

[4 × 15 = 60 marks]