

C 6160

(Pages : 2)

Name.....

Reg. No.....

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

**IT 04 606—INFORMATION RETRIEVAL
(2004 admissions)**

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. (a) Compare Data and Information retrieval.
- (b) What are the present and future stages of Information Retrieval.
- (c) What are recall and prevision ?
- (d) With examples, explain query operations.
- (e) Define text operations in multimedia applications.
- (f) What are signature files ?
- (g) Explain the use of distance function.
- (h) What are user interfaces in search engines ?

(8 × 5 = 40 marks)

Part B

2. (a) Write note on taxonomy of IR models.

Or

- (b) Explain salient features of classic IR models.

(15 marks)

3. (a) (i) Explain any two reference collections in detail. (8 marks)
- (ii) Explain with examples keyword based queries and context queries. (7 marks)

Or

- (b) (i) Discuss the performance evaluation of IR. (8 marks)
- (ii) Explain with examples :

Boolean queries.

Single word queries.

(7 marks)

Turn over

4. (a) (i) What are Markup languages ? Explain. (6 marks)
 (ii) Discuss in brief : Suffix Trees.

Suffix arrays.

Sequential searching.

(9 marks)

Or

- (b) (i) Discuss various data formats associated with text and multimedia. (7 marks)
 (ii) Describe the salient features of :

Inverted files.

Pattern matching.

(8 marks)

5. (a) Explain how IR can be related to image processing.

Or

- (b) (i) Compare centralized and distributed architectures of search engines. (6 marks)
 (ii) Define : Ranking.

Crawling.

Web Directories.

(9 marks)

[4 × 15 = 60 marks]