27138

EIGHTH SEMESTER B.TECH (ENGINEERING) DEGREE EXAMINATION, MAY 2012

CS 04 801 – INFORMATION RETRIEVAL
(2004 Admissions)

Time : Three Hours   **Maximum : 100 Marks**

I. 1 Explain how the efficient retrieval of relevant information is directly affected by 'logical view of the documents. `

2. Give a brief introduction to information retrieval and data retrieval.

3. How the performance of the Information retrieval is evaluated.

4. Explain how the query operation works with relevant examples.

5. Briefly explain different multimedia data formats.

6. Describe all the text operations.

7. What do you mean by crawling and how it is used in multimedia information retrieval.

8. Write the principle behind dynamic search and software agents. List out its advantages.

$$(8 \times 5 = 40)$$

II. a) Write in detail what are the past, present and future developments in information retrieval.

(Or)

b) Write in detail how the IR models are classified and explain ad-hoc retrieval and filtering.

III. a) Explain
(i) TREC and
(ii) CACM

(Or)

b) Explain keyword based queries and single word queries

IV. a) Explain text and multimedia language and properties

(Or)

b) Discuss in detail different kinds of pattern matching

V. a) Explain centralized and distributed architecture of search engine

(Or)

b) What do you mean by generic multimedia indexing approach? Explain with relevant diagrams.

$$(4 \times 15 = 60)$$