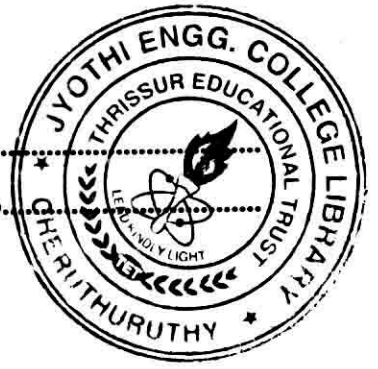


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Name.....

Reg. No.....



**SIXTH SEMESTER B.TECH. (ENGINEERING)
DEGREE EXAMINATION, APRIL 2014**

IT 09 L05—INFORMATION RETRIEVAL

(2009 Scheme)

(Regular/Supplementary/Improvement)

Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

Short answer Questions (one/two sentences each).

1. What are the main objectives of Information Retrieval Systems ?
2. What are the methods used for evaluating the Retrieval Performance ?
3. What is the use of Cataloging and Indexing ?
4. Define metadata.
5. State the need for Ranking and list the three ranking algorithms.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

Analytical/ Problem solving questions.

6. Discuss the case study about how Information retrieval happens in a Library management system.
7. How do you expect that relevance feedback using negative judgment will affect the precision and recall of an information system ?
8. Explain the DTD for structuring electronic mails with an example.
9. How do you generate the Thesaurus ?
10. Explain how data pre-processing is done using the text operations.
11. Explain the challenges related to data while searching the Web.

(4 × 10 = 40 marks)

Part C

Answer all questions.

Descriptive/ Analytical/ Problem solving questions.

12. (a) How Digital Libraries can be used as Information base Systems ?

Or

Turn over

- (b) Explain the Boolean, the vector and the probabilistic models in Information Retrieval.
13. (a) Explain the various reference collections which have been used throughout the years for the evaluation of retrieval systems.

Or

- (b) Explain about the following structures :—
- (i) Form-like fixed structure.
 - (ii) Hyper text structure.
 - (iii) Hierarchical structure.
14. (a) Explain the following Markup Languages :—
- (i) SGML.
 - (ii) HTML.
 - (iii) XML.

Or

- (b) List the coding schemes for representing the text and explain the different characteristics of text.
15. (a) Explain the Generic multimedia Indexing approach.

Or

- (b) Explain the different architectures of retrieval systems that model the Web as a full-text database.

(4 × 10 = 40 marks)