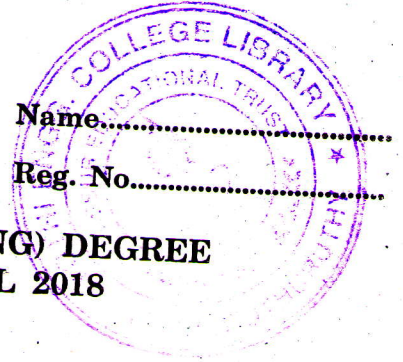


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Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
[2014 SCHEME] EXAMINATION, APRIL 2018**

Computer Science Engineering

CS/IT 14 804 B—INFORMATION RETRIEVAL

Time : Three Hours

Maximum : 100 Marks

Part A

*Answer any eight questions.
Each question carries 5 marks.*

1. Differentiate Information Retrieval and Data Retrieval.
2. Mention the need for Information Retrieval.
3. What is meant by information filtering ? List the characteristics of information filtering.
4. How is harmonic mean calculated ? Explain.
5. Precision and Recall is used to evaluate the performance of IR. How ?
6. List the operators used for Boolean queries.
7. Write notes on similarity models.
8. Differentiate different image formats.
9. Write about the characteristics of Web.
10. Differentiate text information retrieval and multimedia information retrieval.

(8 × 5 = 40 marks)

Part B

*Answer all questions.
Each question carries 15 marks.*

1. (a) Summarize the history of Information Retrieval.

Or

- (b) Compare the features of the various IR models.

2. (a) Elaborate on TREC reference collection.

Or

- (b) Discuss about single word queries.

Turn over

3. (a) What is metadata ? Explain common formats of metadata.

Or

(b) Elaborate on HTML using suitable examples.

4. (a) Draw a block diagram and explain the information flow in multimedia retrieval system.

Or

(b) Draw the architecture of a centralized search engine and explain.

(4 × 15 = 60 marks)