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## 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.
- Mention the need for Information Retrieval.
- 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.

 $(8 \times 5 = 40 \text{ marks})$ 

## 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.

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

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(a) Summaruse the history of Information Rebrieval

(b) Compare the feetures of the various illustrations

(h) Discuss about single word queries,

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 $(4 \times 15 = 60 \text{ marks})$ 

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