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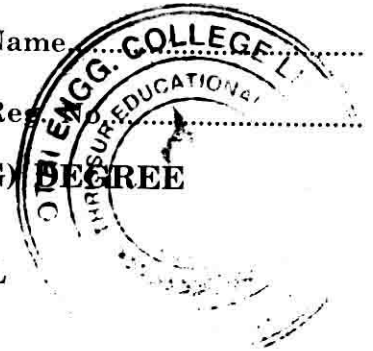
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**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE  
EXAMINATION, APRIL 2014**

CS 09 L 20—INFORMATION RETRIEVAL

(2009 Scheme)



Time : Three Hours

Maximum : 70 Marks

**Part A**

*Short Answer Questions (one/two sentences)*

1. State the differences between Parallel IR and Distributed IR.
2. How is inverted file used for MIMD ?
3. List the objectives of information retrieval systems.
4. State the different kinds of search strategies.
5. What is multimedia information retrieval ?

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.  
Analytical/Problem solving questions.*

6. Compare and contrast Digital libraries and Information Retrieval systems.
7. Explain about various standards used in Information Retrieval systems.
8. Briefly explain about Automatic Indexing.
9. Explain the terms Harmonic mean, E-measure, R- precision and Precision histogram.
10. Explain the differences between Parallel IR and Distributed IR.
11. Explain the different kind of search strategies.

(4 × 5 = 20 marks)

**Part C**

*Answer all questions.  
Descriptive/Analytical/Problem solving questions.*

12. (A) Describe in detail about functional overview of an information retrieval systems.

Or

- (B) Explain various IR models in detail with their advantages and disadvantages.

Turn over

13. (A) Define Clustering. What are the general guidelines for clustering ? Compare and contrast manual clustering and automatic clustering.

Or

(B) Differentiate hardware versus software text search algorithms.

14. (A) Discuss data modelling in light of multimedia information retrieval.

Or

(B) Discuss about selective dissemination information search techniques with examples.

15. (A) Explain the concept of Inverted index file. How it can be used Information Retrieval ?

Or

(B) Explain the crawler-indexer architecture.

(4 × 10 = 40 marks)