

Printed pages: 02

Sub Code: NIT061

Paper Id:

113621

Roll No:

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**B.Tech**  
**Sixth Semester Examination 2017-18**

**( INFORMATION RETRIEVAL & MANAGEMENT )**

*Time: 3 Hours*

*Total Marks: 100*

Note: Attempt all Sections. If require any missing data; then choose suitably.

**SECTION - A**

*1. Attempt all questions in brief.*

*2 x 10 = 20*

- What do you mean by the term Information Retrieval.
- List various types of Information.
- Explain Cluster Hypothesis.
- Describe various design issues of crawl module.
- What is dendograms also explain its uses.
- Discuss the term probabilistic indexing.
- State query routing problem.
- Difference between SIMD & MIMD.
- What is Prototype ? Explain.
- Discuss various performance measures of Parallel Computing.

**SECTION - B**

*2. Attempt any three of the following:*

*10 x 3 = 30*

- Briefly describe information retrieval system with the help of block diagram.
- What is Collaborative filtering? Discuss its advantages and disadvantages.
- What is multimedia information retrieval ? Explain query specification query processing with respect to multimedia information retrieval.
- Discuss MIMD architecture with respect to multitasking in parallel IR.
- Discuss the challenges in IR system and give your views to overcome that.

**SECTION-C**

*3- Attempt any one parts of the following :*

*10x1=10*

- Explain OPACs and state the limitations of OPACs.
- Define Ontology and taxonomy ? Explain in detail.



4. *Attempts any one part of the following:*

*10x1=10*

- a) Explain Collection partitioning and Source selection with respect to distributed IR.
- b) Give brief about how search engine works.

5. *Attempt any two parts of the following:*

*10x1=10*

- a) Explain various challenges for effective delivery of digital library architecture.
- b) Explain inverted index file. How it can be used in information retrieval.

6. *Attempt any one part of the following:*

*10x1=10*

- a) List out the various techniques in automatic term clustering. Explain.
- b) Explain the historical development of information systems.

7. *Attempt any one part of the following :*

*10x1=10*

- a) Explain the concept of text search with relevant examples.
  - b) In what way is the signature approach advantageous over other text retrieval methods? Classify the signature based methods.
- .....