

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA - SEMESTER– V EXAMINATION – WINTER - 2017**

**Subject Code:3650013**

**Date:30/11/ 2017**

**Subject Name: Information Retrieving**

**Time:10:30 AM TO 01:00 PM**

**Total Marks: 70**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is information retrieval? Explain the logical view of the document. **07**  
(b) Explain boolean queries. **07**
- Q.2** (a) Explain hierarchical structures. **07**  
(b) Explain fuzzy set model. **07**
- OR**
- (b) Explain retrieval performance evaluation. **07**
- Q.3** (a) Explain HTML and XML with example. **07**  
(b) Explain indexing techniques. **07**
- OR**
- Q.3** (a) What is text compression? Explain its approaches in detail. **07**  
(b) Describe document processing for text operation. **07**
- Q.4** (a) Explain models of human-computer interaction with diagram. **07**  
(b) Explain suffix trie and suffix tree with example. **07**
- OR**
- Q.4** (a) Explain design principle and role of visualization. **07**  
(b) Explain interface support for search process. **07**
- Q.5** (a) Explain architectural issues of digital library. **07**  
(b) What is search engine? Explain its centralized architecture. **07**
- OR**
- Q.5** (a) Explain web directories and metasearches. **07**  
(b) What is OPAC? Describe its vendors and products. **07**

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