# OR

- 2B. Explain probabilistic IR model. What is probabilistic ranking principle? Deduce the ranking formula using Bayes rules. 3+3+9
- 3A. State your idea on Information Seeking. Describe 'Everyday Life Information Seeking' model as developed by Savolainen. 3+12

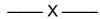
# OR

- 3B. What are the purposes of evaluation of IR systems? Define Recall and Precision. What are the problems with Recall and Precision measures? What do you understand by Relevance? Disucus different types of Relevance.

  3+4+2+3+3
- 4. Write short note on any *one*:

5x1=5

- (a) Indexing languages
- (b) I R thesaurus
- (c) Information behaviour of Google generation



# MASTER OF LIBRARY AND INFORMATION SCIENCE EXAMINATION, 2019

(1st Semester)

#### **Information Retrieval - I**

**Paper : ML - 04** 

Time: Two hours Full Marks: 50

# Answer all questions.

1A. What do you understand by Information Retrieval Systems? Discuss the major functions of an IR system with a suitable diagram. What are the different components of an IR system?

4+9+2

### OR

- 1B. Distinguish between 'Citation' and 'Reference'. What is Citation Indexing? What are its different parts.

  Name some online Citation Indexing services.

  Discuss any one of them.

  3+2+3+2+5
- 2A. Give a mathematical definition of IR models. Explain Tem Frequence (TF) and Inverse Document Frequence (IDF). What is document length normalization?