

MASTER OF TECHNOLOGY (COMPUTER ENGINEERING) (CBCS - 2015
COURSE) M. Tech. (Computer Engineering) Sem-III: WINTER- 2019
SUBJECT: SELF-STUDY PAPER-I: INFORMATION RETRIEVAL & WEB
SEARCH (UE)

Friday 06-12-2019
11:00 AM-02:00 PM

W-14498-2019
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Neat diagrams must be drawn **WHEREVER** necessary.
- 4) Use of non programmable electronic pocket **CALCULATOR** is allowed.
- 5) Assume suitable data if necessary.

SECTION-I

- Q.1 What are the goals of Information Retrieval and the impact of the web on information retrieval? Explain the role of Artificial Intelligence in IR. (10)

OR

Discuss with suitable example any information retrieval model in detail.

- Q.2 What is Tokenizing indexing? Explain the implementation of vector-space retrieval. (10)

OR

What is simple tokenizing? Explain in detail the concept of stop-word removal and stemming.

- Q.3 What is Zapf's law? Explain how it is useful in text representation with suitable example. (10)

OR

What is spidering? Discuss the architectures of spidering in detail.

SECTION-II

- Q.4 What are the performance metrics used for experimental evaluation of information retrieval? Explain. (10)

OR

What do you mean by Query expansion? Discuss in detail.

- Q.5 How do you do text categorization? What are the algorithms suitable for this? Explain any one. (10)

OR

What do you mean by clustering? Explain any one clustering algorithm in detail.

- Q.6 What is the use of Recommender System in the Information Retrieval? Explain. (10)

OR

Discuss the term Information Extraction and Integration in detail.