MASTER OF TECHNOLOGY (INFORMATION TECHNOLOGY) (CBCS - 2015 COURSE)
M. Tech. (Information Technology) Sem-II :SUMMER- 2022
SUBJECT : INFORMATION RETRIEVAL

Day : Thursday   Time : 10:00 AM-01:00 PM
Date : 28-07-2022   **S-14224-2022**   Max. Marks : 60

N.B:
1) All questions are **COMPULSORY.**
2) Figures to the right indicate **FULL** marks.
3) Answer to both the sections should be written in the **SEPARATE** answer sheet.

SECTION-I

Q.1   Enlist and describe goals of information retrieval.   **(10)**

OR

Elaborate history of information retrieval along with its applications on web search.

Q.2   Describe basic tokenizing method used for information retrieval.   **(10)**

OR

Describe stop-word removal and stemming while retrieving the information from documents with suitable example.

Q.3   Describe relevance feedback for evaluating the information retrieval **(10)** with suitable example.

OR

Define and describe Zipf's law used for statistical distribution in data sets along with suitable example.

SECTION-II

Q.4   Describe link analysis used by web search engines to search the **(10)** documents along with suitable example.

OR

Describe text categorization algorithm along with suitable example.

Q.5   What is smoothing? Describe with suitable example the influence of **(10)** smoothing on retrieval performance.

OR

Describe K-means algorithm for text clustering with suitable example.

Q.6   Elaborate with suitable example collaborative filtering.   **(10)**

OR

Explain with example how to collect and integrate specialized information on the web.

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