

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
B.Tech.Sem - VII IT : WINTER : 2023
SUBJECT : INFORMATION RETRIEVAL

Day : Thursday
Date : 7/12/2023

Time : 02:30 PM-05:30 PM
Max. Marks : 60

W-24760-2023

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q. 1 Write about goals, objectives and history of IR. (10)

OR

Describe the impact of the web on IR with reference to suitable example.

Q. 2 Describe vector model along with tf-idf calculation. Also give its advantages and disadvantages. (10)

OR

Explain Boolean Retrieval model for IR along with its advantages and disadvantages.

Q. 3 Enlist and describe the methods used for pre-processing of the text with suitable example. (10)

OR

Describe text normalization and tokenization along with suitable example.

Q. 4 Describe with reference to suitable example Rocchio's text categorization algorithm. (10)

OR

Explain Naïve Bayes text categorization algorithm with suitable example.

Q. 5 Describe vector space clustering with an example. (10)

OR

Explain k-nearest neighbour text classification algorithm with an example.

Q. 6 Describe content based Recommendation with suitable example. (10)

OR

Explain collaborative filtering recommendation with suitable example.

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