

Total No. of Questions :12]

SEAT No. :

P5259

[5671]-286

[Total No. of Pages : 2

**M.E. (Computer Engineering)
INFORMATION RETRIEVAL
(2017 Pattern) (End Semester)**

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10, Q.11 or Q.12.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) Give the historical view of Information Retrieval? Explain how it is used in data extraction from web? [9]

OR

Q2) Explain the following terms? [9]

- a) Context sensitive spelling correction.
- b) K-gram index for spelling correction.
- c) Multimedia IR.

Q3) What are the different variant TF-IDF functions for weighting of scores? [9]

OR

Q4) Discuss the term frequency and weighting? Also Explain what is inverse document frequency? [9]

Q5) Differentiate between text centric and data centric XML retrieval? [8]

OR

Q6) Discuss the trade-offs between precision and recall? [8]

Q7) What do you mean by pivoted document length normalization? [8]

OR

P.T.O.

Q8) Discuss in brief the challenges involved in web searching? [8]

Q9) Explain different classifiers with an example? [8]

OR

Q10) Define recommender system? Explain in brief collaborative filtering? [8]

Q11) Write a note on Support vector machine and Machine learning for Information Retrieval? [8]

OR

Q12) Explain physical and logical document partitioning? [8]

