

Total No. of Questions : 4]

SEAT No. :

PE-239

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[6580]-600

**B.E. (Information Technology) (In-Sem)
INFORMATION AND STORAGE RETRIEVAL
(2019 Pattern) (Semester - VII) (414441)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data, if necessary.

- Q1) a)** Explain basic concept for Information Retrieval. Draw IR system block diagram. [7]
- b) Compare and contrast data retrieval and information retrieval, highlighting the key differences between them. [4]
- c) Evaluate the significance of information retrieval in brief. [4]

OR

- Q2) a)** Describe the Conflation algorithm and outline its main advantages and disadvantages. [8]
- b) Describe Luhn's idea and explain its main concepts. [7]

- Q3) a)** Write a short note on Probabilistic model. [5]
- b) Explain the concept of Inverted index file. How can it be used in Information Retrieval? [6]
- c) Discuss how query processing works in information retrieval. [4]

OR

- Q4) a)** List and explain various searching techniques. [7]
- b) Explain the concept of suffix tree. Construct suffix tree for following example. [8]

“This is text. A Text has many words. Words are made from letters” .

