

Total No. of Questions : 4]

SEAT No. :

**P8505**

[Total No. of Pages : 1

**Oct-22/BE/Insem-103**

**B.E. (Information Technology)**

**INFORMATION & STORAGE RETRIEVAL**

**(2019 Pattern) (Semester - VII) (414441)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

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

**Q1)** a) Explain information retrieval process with the help of block diagram.[4]

b) Explain conflation algorithm in detail with its advantages & disadvantages. [8]

c) Why is index term weighting used? [3]

OR

**Q2)** a) Explain single link clustering algorithm with suitable example. [8]

b) Discuss difference between data retrieval & information retrieval. [4]

c) Explain Rocchio's algorithm in brief. [3]

**Q3)** a) Explain the concept of suffix trees in information retrieval. [5]

b) Explain the different kinds of searching techniques in IR. [6]

c) Write a short note on probabilistic model. [4]

OR

**Q4)** a) Explain concept of inverted index file. How can it be used in information retrieval. [6]

b) Explain various IR model in detail with their advantages & disadvantages. [9]

