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SEAT No. :

P273

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B.E./INSEM/APR-600

B.E. (Information Technology) (Semester - II)

**414464B : INFORMATION STORAGE AND RETRIEVAL
(2015 Pattern) (Elective - III)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.
- 2) Figures to right indicate full marks.

- Q1)** a) You are developing a text processing system for use in an automatic retrieval System. What are different steps of conflation algorithm. [6]
- b) Draw and explain IR system block diagram. [4]

OR

- Q2)** a) Differentiate between data retrieval and information retrieval. [6]
- b) Explain Luhn's idea in detail with diagram. [4]
- Q3)** a) Explain single pass algorithm with example. [6]
- b) Write a short note on probabilistic model, vector model. [4]

OR

- Q4)** a) Explain Single Link algorithm with example. [6]
- b) Explain Latent Semantic Indexing with a suitable example. [4]

P.T.O.

Q5) a) Define and explain following terms - Precision & Recall. [6]

b) Explain the terms Harmonic mean, E measure. [4]

OR

Q6) a) Explain User oriented measures for evaluating performance of IR system. [6]

b) Define and explain following terms : [4]

i) MRR.

ii) NDCC.

