

Total No. of Questions : 12]

Nov-Dec-2012

SEAT No. :

P920

[Total No. of Pages : 2

[4264] - 722

B.E. (I.T.)

INFORMATION RETRIEVAL

(2008 Pattern) (Sem. - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates :

- 1) Answer three questions from Section-I and three questions from Section-II.
- 2) Answers to the two sections should be written in separate books.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Figures to the right indicate full marks.
- 5) Assume suitable data, in necessary.

SECTION - I

- Q1)** a) Give difference between data retrieval and information retrieval. [8]
b) Enlist the algorithms used for clustering and explain single pass algorithm. [10]

OR

- Q2)** a) Explain Luhn's idea of index term weighting. [8]
b) Explain Rochhio's algorithm and what are dendograms? Explain in detail. [10]

- Q3)** a) Explain Boolean model in detail. [8]
b) Explain signature file with example. [8]

OR

- Q4)** a) Explain Boolean search in detail. What do you mean by co-ordination level? Explain with example. [8]
b) Explain ring structure. Discuss its advantages and disadvantages. [8]

- Q5)** a) Discuss prototypes, projects and interface standards with respect to Digital Libraries. [8]
b) Discuss retrieval performance evaluation. [8]

OR

- Q6)** a) What are Digital Libraries? [6]
b) Write short notes on : [10]
i) Online IR system.
ii) User Oriented Measure.

P.T.O.

SECTION - II

- Q7)** a) Explain Ontology life cycle with suitable diagram. [9]
b) How are queries processed in distributed IR? [9]

OR

- Q8)** a) Compare parallel and distributed IR. [9]
b) What is domain specific ontology? How do you create it? [9]
- Q9)** a) Explain generic multimedia index approach. [8]
b) Discuss techniques to represent audio and visual documents. [8]

OR

- Q10)** Write short notes on : [16]
a) Automatic feature extraction.
b) 2-D color images.

- Q11)** a) Write a note on web data mining. [8]
b) What are Meta searchers? Explain with suitable example. [8]

OR

- Q12)** a) How do you characterize the web? [8]
b) What are Meta Crawlers? Explain with suitable example. [8]

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