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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Sixth Semester, B.E. - Information Science and Engineering

Semester End Examination; May/June - 2018

Modern Information Retrieval

Time: 3 hrs   *Max. Marks: 100*

Note: *Answer **FIVE** full questions, selecting **ONE** full question from each unit.*

UNIT - I

1 a.	Discuss in detail the logical view of the documents and information retrieval in the library with suitable examples of your choice.	10
b.	With a neat sketch, explain the retrieval process.	10
2 a.	Briefly explain with appropriate examples various taxonomy of IR models.	10
b.	Describe the fuzzy set model in detail with suitable examples of your choice.	10

UNIT - II

3 a.	Illustrate with suitable examples the concept of reference collection and retrieval performance evaluation.	10
b.	Explain the keyword-based querying pattern matching with a suitable example.	10
4 a.	Write a short notes on : i) User relevance feedback ii) Markup languages	10
b.	Explain with an example of your choice the concept of automatic local analysis.	10

UNIT - III

5 a.	Explain in detail all the steps involved in document preprocessing with a suitable example of your choice.	10
b.	Briefly discuss the concepts of document clustering and text compression with suitable examples.	10
6 a.	Illustrate with an example the concept of Boolean queries.	10
b.	Write short notes on : i) Structural queries ii) Compression	10

UNIT - IV

7 a.	Explain the following : i) Spatial access methods ii) One dimensional Time series	10
b.	Discuss the process involved in parallel IR with suitable examples.	10

8 a. Explain with a neat sketch the concept of a generic multimedia indexing approach with appropriate examples. 10

  b. Discuss the various data modeling techniques involved in distributed IR with appropriate examples/code snippets. 10

UNIT - V

9 a. Discuss in detail the challenges that are prevalent on the world wide web by citing examples. 10

  b. List and explain the various tools used for browsing and searching. 10

10 a. Differentiate between centralized architecture and distributed architecture of retrieval system. 10

  b. Explain the following :

   i) Measuring web 10

   ii) Metasearches

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