

Code: 9A12702

B.Tech IV Year I Semester (R09) Supplementary Examinations June 2017

INFORMATION RETRIEVAL SYSTEMS

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain the functional overview of the information retrieval system.
(b) Explain digital libraries and data warehouses.
- 2 (a) What is the importance of inverted index? Explain the procedure to build inverted index.
(b) Explain hypertext data structure and signature file structure.
- 3 (a) Which stemming technique is used by INQUERY system?
(b) Discuss the classes of automatic indexing.
- 4 (a) What is the use of thesaurus? Explain how thesaurus can be used to expand a query.
(b) Explain the process of clustering with singular value decomposition.
- 5 (a) Explain the importance of cognition and perception with respect to information retrieval systems.
(b) Discuss information visualization technologies.
- 6 (a) What are text search algorithms? Distinguish hardware and software text search algorithms.
(b) What are the measures used in system evaluation? Explain TREC results.
- 7 (a) Discuss the importance of indexing and searching with respect of IRS.
(b) Explain data modeling.
- 8 (a) Explain the importance and discuss in detail about OPACs.
(b) Write short notes on digital libraries.
