

Code No: **R41126****R10****Set No. 1**

IV B.Tech I Semester Supplementary Examinations, February/March - 2018
INFORMATION RETRIEVAL SYSTEMS
(Information Technology)

Time: 3 hours**Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

- 1 a) Explain about selective dissemination of information. [8]
b) Discuss about digital libraries and data warehouses. [7]
- 2 a) Write history and objectives of indexing. [8]
b) What are miscellaneous capabilities of IRS? Explain. [7]
- 3 a) Apply the Porter stemming steps to the following words: irreplaceable, informative, activation, and triplicate. [8]
b) Describe how a bigram data structure would be used to search for the search term "computer science" (NOTE: the search term is a contiguous word phrase). What are the possible sources of errors that could cause non-relevant items to be retrieved? [7]
- 4 a) Discuss about classes of automatic indexing. [8]
b) What are problems with weighting schemes and vector model? Explain. [7]
- 5 a) Explain about complete term relation method. [8]
b) Discuss about hierarchy of clusters. [7]
- 6 a) What are similarity measures? Explain in detail. [8]
b) Explain about searching the INTERNET and hypertext. [7]
- 7 a) Write about information visualization in detail. [8]
b) What are aspects of visualization process? Explain. [7]
- 8 a) Trade off the use of hardware versus software text search algorithms citing advantages and disadvantages of each in comparison to the other. [8]
b) What are the problems associated with generalizing the results from controlled tests on information systems to their applicability to operational systems? Does this invalidate the utility of the controlled tests? [7]