

FACULTY OF ENGINEERING**B.E. 4/4 (CSE) II-Semester (Main) Examination, April / May 2013****Subject : Information Retrieval Systems
(Elective-III)****Time : 3 Hours****Max. Marks: 75*****Note: Answer all questions of Part - A and answer any five questions from Part-B.*****PART – A (25 Marks)**

1. What are the objectives of the IRS? (3)
2. What is selective dissemination of information? (3)
3. Discuss about the PAT data structure. (3)
4. Briefly discuss signature file structure. (2)
5. What is concept indexing? (2)
6. Differentiate between term clustering and item clustering. (3)
7. Write short notes on search statements and binding. (3)
8. What is the importance of information visualization? (2)
9. List some Hardware text search systems. (2)
10. What is TREC? (2)

PART – B (50 Marks)

11. Give the functional overview of a typical IRS. (10)
12. What is Stemming? Discuss Porter's stemming algorithm. (10)
- 13.(a) What is clustering? Explain the steps involved in the process of clustering. (7)
(b) What is Bayesian model in statistical Indexing? (3)
14. Explain various information visualization technologies. (10)
15. What are the various software text search algorithms? Explain one of them. (10)
16. List out the various search capabilities. Explain each of them briefly. (10)
17. Write short notes on the following: (5+5)
(a) Hardware text search system.
(b) Data warehouse information retrieval system
