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SIXTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE EXAMINATION, APRIL 2016

IT 09 L05—INFORMATION RETRIEVAL

Time : Three Hours   Maximum : 70 Marks

Part A

1. What do you meant by IR model ?

2. Define Recall and precision.

3. What is concept indexing ?

4. Mention the advantages of a key word-based querying.

5. What is the use of distance functions ?

                                            (5 × 2 = 10 marks)

Part B

6. Describe briefly about Human Computer interaction for IR.

7. With an example, explain the Boolean queries.

8. Differentiate context queries and Boolean queries.

9. Explain the steps involved in construction of suffix arrays.

10. Explain Inverted Index file. How it can be used in Information Retrieval ?

11. Discuss about Spatial access methods.

                                            (4 × 5 = 20 marks)

Part C

12. (a) Explain in detail about the functional overview of a typical IR.

                                Or

    (b) Write short notes on ad-hoc retrieval and filtering in IR modeling.

13. (a) Write short notes on Performance evaluation of IR with example.

                                Or

    (b) What is TREC ? Discuss how it's different from ISI collection.

                                            Turn over

14. (a) List out the various search capabilities. Explain each of them briefly.

Or

(b) Explain the various standard languages for multimedia applications.

15. (a) Explain in detail about crawler-indexer architecture.

Or

(b) Discuss the problems with the data and problems regarding the user and his/her interaction with the retrieval system.

(4 × 10 = 40 marks)