NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION
Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India
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UNIT WISE SHORT AND LONG QUESTIONS

UNIT-I

PART-A (Short Answer Questions)

1)	what is meant by information retrieval system?
2)	define vector space model?
3)	explain about the vector space model similarity measures?
4)	describe the probabilistic retrieval strategies?
5)	derive the simple term weights?
6)	explain about the non-binary independence model?
7)	what is meant by language model?
8)	Apply the fuzzy search on "gold"(or)"silver"(or)"truck"?:
9)	Differentiate DBMS from Information Retrieval Systems?
10)	Differentiate Digital libraries and Data warehouses?

PART-B (Long Answer Questions)

1. a)	What is information retrieval system and it explain briefly?
b)	Explain about the retrieval strategies?
2. a)	Describe the vector space model?
b)	Explain about the probabilistic retrieval strategies?
3. a)	Define simple term weights?
b)	Give an example of simple term weights?
4.	What is language models and explain non binary independence model language model ?
5.	Explain IRS browse capabilities?

UNIT-II

PART-A (Short Answer Questions)

1.	Explain about the clustering?
2.	What is term clustering?
3.	Define single link clustering?
4.	Define complete linkage clustering?
5.	Define group average clustering?
6.	What is one-pass clustering?
7.	What is rocchio clustering?
8.	What is buckshot clustering?
9.	List the simple Dependencies?
10.	Differentiate N gram data structure and PAT data structure?

PART-B (Long Answer Questions)

1. a)	Explain in detail about retrieval utilities?
b)	Define the relevance feedback?
2. a)	Explain about the relevance feedback in the vector space model?
b)	Explain about the relevance feedback in the probabilistic model ?
3 . a)	Write a short note on clustering and various types of clustering?
b)	Describe about the N-grams?
4. a)	What is regression analysis and it explain briefly?
b)	Explain in detail about the thesauri?
5.	Explain the following file structure in detail
	i. Inverted File ii. Structure File 1

UNIT-III

PART-A (Short Answer Questions)

1.	Define semantic networks?
2.	explain about the distance measures?
3.	what is R-distance?
4.	what is K-distance?
5.	Define incorporating distance?
6.	explain about the evaluation of distance measures?
7.	what is parsing?
8.	Define single terms?
9.	Define simple and complex phrases?
10.	Describe about the crossing the language barrier?

PART-B (Long Answer Questions)

1.	explain in detail semantic networks?
2.	explain about the parsing?
3.	decribe the cross language information retrieval?
4.	define semantic networks and give brief description of various distance measures?
5.	explain about the crossing the language barrier?

UNIT-IV

PART-A (Short Answer Questions)

1.	Define EFFICIENCY?
2.	Define Inverted Index?
3.	explain about the building an inverted index?
4.	explain about the compressing an inverted index?
5.	Define Query processing?
6.	explain about the inverted index modifications ?
7.	Define signature files?
8.	what is duplicate document detection?
9.	explain finding exact duplicates?
10 .	explain finding similar duplicates?

PART-B (Long Answer Questions)

1.	explain about the efficiency?
2.	what is inverted index and it explain briefly?
3.	explain about the query processing?
4.	give brief description of signature files?
5.	explain about the duplicate document detection?

UNIT-V

PART-A (Short Answer Questions)

1.	Define a historical progression?
2.	Explain about the information retrieval as a relational application?
3.	Describe the semi-structured search using a relational schema?.
4.	Define distributed information retrieval?.
5 .	Explain about a theoretical model of distributed retrieval?.
6 .	Explain about user defined operators?
7 .	Define data integrity, portability, performance, extensions to SQL?
8.	Define Boolean retrieval?
9.	Define proximity searches?
10.	Describe the static relational schema to support XML-QL?

PART-B (Long Answer Questions)

1.	Explain about the a historical progression?
2.	Explain about the information retrieval as a relational application?
3.	Give a description of semi structured search using a relational schema?
4.	Explain about a theoretical model of distributed retrieval?
5.	Explain about the web search?