INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND ENGINEERING

ASSIGNMENT QUESTIONS

Course Name	**INFORMATION RETRIEVAL SYSTEM**
Course Code	A70533
Class	IV B. Tech I Semester
Branch	Computer Science and Engineering
Year	2018 – 19
Course Faculty	Ms. S.J. Sowjanya, Associate Professor, CSE
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OBJECTIVES:

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

In line with this, Faculty of Institute of Aeronautical Engineering, Hyderabad has taken a lead in incorporating philosophy of outcome based education in the process of problem solving and career development. So, all students of the institute should understand the depth and approach of course to be taught through this question bank, which will enhance learner's learning process.

ASSIGNMENT – I & II

S. No	Questions	Blooms Taxonomy Level	Course Outcomes
	UNIT – I		
1	Differentiate DBMS with information retrieval system.	Understand	2
2	Explain IRS browse capabilities.	Understand	1
3	List three differences between data retrieval and information retrieval.	Remember	2
4	Explain Precision and Recall.	Understand	1
5	Define similarity coefficient in vector space model.	Remember	2
6	Differentiate relevant retrieved and non-relevant retrieved.	Remember	2
7	State how browsing is different from Searching.	Understand	1
8	Give a note on digital libraries and data warehouses.	Understand	1
9	List five challenges of searching for information on the web.	Remember	1
10	Explain about the objectives of IRS.	Understand	2
	UNIT – II		
1	Explain N-gram data structure.	Remember	5
2	Describe regression analysis.	Understand	3
3	Define term co-occurrence.	Remember	4
4	Explain the concept of information extraction.	Understand	4

5	Explain top-down and bottom-up procedure used in hierarchically clustered Collections.	Understand	3
6	List six different sort orders to expand initial query in probabilistic model.	Remember	5
7	Discuss efficiency uses in clustering.	Understand	3
8	List different clustering algorithms.	Understand	3
9	Explain relevance feedback.	Remember	4
10	Define regression analysis.	Understand	3
UNIT – III			
1	Define K-distance.	Remember	8
2	What is translation?	Understand	7
3	Explain clustering.	Understand	9
4	Illustrate cross language information retrieval.	Remember	6
5	Define query translation.	Remember	8
6	Explain phrase translation.	Remember	7
7	Define document translation.	Remember	6
8	Explain unbalanced approach of choosing translation.	Understand	7
9	Write about structured queries.	Remember	6
10	State cross language information retrieval.	Remember	9
UNIT – IV			
1	Define term clustering.	Remember	10
2	What are various types of automatic term clustering techniques.	Remember	11
3	List hypertext linkages.	Understand	12
4	Describe document clustering.	Understand	10
5	Explain about hierarchy of clusters with example.	Remember	11
6	Give the technique for term clustering.	Understand	10
7	What is the process of thesaurus generation?	Understand	10
8	Describe Cliques.	Understand	12
9	What is single link?	Understand	11
10	Differentiate Cliques and single link.	Remember	12
UNIT – V			
1	Describe various information visualization technologies.	Remember	13
2	Write a short note about searching the internet.	Understand	13
3	Explain relevance feedback.	Remember	14
4	Define Rocchio algorithm for relevance method.	Remember	15
5	Write about relevance feedback techniques.	Understand	14
6	Define the features related to cognitions and perception.	Remember	13
7	List some search statements and binding.	Understand	15
8	Explain Similarity measures.	Remember	15
9	Define ranking.	Remember	14
10	Give some similarity measures and ranking.	Understand	15

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