

JAMIA HAMDARD
Department of Computer Science and Engineering
School of Engineering Sciences & Technology
New Delhi-110062

Odd Semester Examination-2024: M.Tech (CFIS) 2nd Year (3rd Semester)

Paper Name: Web Search & Information Retrieval

Paper Code: MTCFIS PE352

Time: 2.5 Hours

Maximum Marks: 60

Note: Please follow proper numbering while answering the questions.

SECTION A (4x5=20 M)

All questions of Section A are compulsory. Each question is of 5 marks

Sno	Questions	CO	BL
1.	Explain the evolution of Search Engines in chronological order.	CO1	L3
2.	What is Search Engine Optimisation?	CO1	L2
3.	Analyze the differences between crawling, indexing and ranking.	CO2	L3
4.	Mention types of Query Languages and write 1 command in each type.	CO3	L4

SECTION B (4x10=40 M)

Answer any 4 questions. Each question is of 10 marks

Sno	Questions	CO	BL
1	Explain the methodology of search engines. How Page Rank Algorithm optimized the searching?	CO2	L3
2	Write the Page Rank algorithm and its expression involving various parameters.	CO2	L2
3	What is Information Retrieval? Give example and differentiate between Parallel & Distributed Information Retrieval.	CO4	L3
4	What are the security aspects of social networks? Evaluate the points mentioned by you with respect to available security features on Instagram.	CO5	L4
5	Considering the case of Instagram, assess the methodology of recommendations on social networking. Show their working.	CO5	L5
6	Analyze and differentiate between MULTIMEDIA INFORMATION RETRIEVAL and CONVENTIONAL TEXT RETRIEVAL SYSTEM	CO4	L4

Bloom Level L1: remembering, L2: understanding, L3: applying, L4: analyzing, L5: evaluating, L6: creating