Total No	of Questions : 10] SFAT No.
	SEAT NO.
P4009	[5561]-716 [Total No. of Pages : 2
B.E. (Information Technology)	
INFORMATION STORAGE & RETRIEVAL	
(2015 Course) (414464B) (Semester - II) (Elective - III)	
Time: 21/2	[Max. Marks: 70
	ons to the candidates:
1 <i>nstructi</i> 1)	Neat diagrams must be drawn wherever necessary.
2)	Figures to the right side indicate full marks.
3)	Assume suitable data if necessary.
<i>Q1</i>) a)	Differentiate between data retrieval and information retrieval. [6]
b)	List with definition different measures of association. [4]
0)	OR
Q2) a)	Compare Boolean and vector model. [6]
b)	List and explain steps of conflation algorithm. [4]
Q3) a)	Explain the terms Harmonic mean, E measure, R precision, Precision
	histogram. [5]
b)	Explain basic concept for Information Retrieval. Draw IR system block
	diagram. [5]
	OR
Q4) a)	Dissimilarity matrix is given as follows. [5]
	1 2 0.6
	1 2 0.6 3 0.6 0.8 4 0.9 0.9 0.7 5 0.9 0.6 0.6 0.9
	4 0.9 0.9 0.7
	5 0.9 0.6 0.6 0.9
	6 0.5 0.5 0.9 0.5 0.5
	1 2 3 4 5 6
	Threshold 0.4, 0.6, 0.8, 0.9.
• \	Apply single link algorithm and calculate cluster for above 6 objects.
b)	Explain signature structure in detail. [5]
05) -)	What do you and doubton discounting discou
Q5) a)	What do you understand by multimedia query language? Explain various query predictors. [9]
	query predictors. [9]

Explain GEMINI approach for multimedia IR. [9]

OR

b)

[9] Describe multimedia data support in commercial DBMS. **Q6)** a) Describe the architecture of distributed IR. [9] b) What is web crawling? Explain techniques used by web crawlers to crawl **Q7)** a) the web. [8] Write short note on web data mining. b) [8] OR Discuss the challenges involve in web search engine. **Q8)** a) [8] What is page ranking? Calculate page rank of following web pages. b) Assume damping factor 7.0. [8] C Define Recommender system? Explain in brief collaborative filtering.[8] **Q9**) a) b) Explain semantic web in detail. [8] OR Write a note on "Ontology languages for semantic web". *Q10)*a) [8] P. Mar. 16. 23. Alberta State of the State o Explain the method for extracting data from text. [8] b)