Total No	o. of Questions : 8]	SEAT No. :		
PD46	557	[Total No. of Pages : 2		
	[6404]-163			
B.E.(Information Technology)				
INFORMATION AND STORAGE RETRIEVAL				
	(2019 Pattern) (Semester -	VII) (414441)		
		,0		
	2½ Hours]	[Max. Marks : 70		
	tions to the cardidates.	7 08		
1) 2)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q Neat airgrams must be drawn wherever neces			
<i>3</i>)	Figures to the right indicate full marks.	sury.		
4)	Assume suitable data, if necessary.			
	26.) gair		
Q1) a)	Define and explain the following terms.	[6]		
	MRR ON	S.		
	ii) NDCG	Z.		
b)	Calculate the precision and recall score data.	es for the search, using the given [6]		
	A database contains 80 records on a p			
	conducted on that topic and 60 records retrieved, 45 were relevant.	were retrieved. Out of 60 records		
c)		[6]		
	i) Precision	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	ii) Recall			
	OR			
Q2) a)	What are User oriented measures used systems.	in performance evaluation of IR [6]		
b)	Explain DCG and F-Score measures us IR system.	sed in performance evaluation of [6]		
c)	What are the various techniques used visualization?	to specify query in information [6]		

Describe Multimedia data support in Commercial DBMS?

OR

What is data modelling in multimedia IR? Explain it in detail?

[9]

[8]

Q4)	a)	What is multimedia IR? Explain GEMINI approach of Multimedia IR.[9]		
	b)	Explain in detail Multimedia Office Server (MULTOS). [8]		
<i>Q</i> 5)	a)	Explain search engine mechanism with a neat diagram. [6]		
~	b)	What is ranking? Explain importance of ranking in detail. [6]		
	c)	Write a note on request module and beautiful soup library. [6]		
		OR		
Q6)	a)	Write a short note on Web Scraping. [6]		
	b)	Explain Crawler-Indexer Architecture with neat diagram. [6]		
	c)	Discuss the challenges faced in wed searching. [6]		
Q 7)	a)	Define Recommender system? Explain in brief Content based		
	1. \	recommendation. [9]		
	b)	Explain Vector Space Model for XML Retrieval. [8]		
0.0)	, 1	OR O		
Q8)	a)	Explain in detail Content Based Recommendation of Documents. [9]		
	b)	Differentiate between Collaborative filtering system and content based filtering system. [8]		
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