Seat No.:	
No	

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – VII SEMESTER– • EXAMINATION – SUMMER 2015

Subject Code: 170708		et Code: 170708 Date: 06/05/201	Date: 06/05/2015	
\mathbf{S}	ubjec	et Name: Web Data Management		
		1	Total Marks: 70	
In	struct			
	,	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a)	What is semi structured data? "XML document is a semi structured data model"-Justify with suitable example.	07	
	(b)	Explain XML in brief. Differentiate well formed and Valid xml document.	07	
Q.2	(a) (b)	What is XPath? Describe XPath data model with a suitable example. What is XQuery? Describe doc() and collection() function with suitable example.	07 07	
		OR		
	(b)	Write sort note on FLWOR expression with suitable example.	07	
Q.3	(a)	What is XML Typing? Why it is essential in web data management.	07	
	(b)	Explain automate on ranked trees in details.	07	
		OR		
Q.3	(a)	Explain web graph mining with suitable example.	07	
	(b)	Write sort note on XML Schema.	07	
Q.4	(a)	Explain Fragmentation of XML document in detail.	07	
	(b)	Write sort note on XML query evaluation technique: Join	07	
		OR		
Q.4	` ′	What is Ontology? Describe RDF, RDFS in Brief.	07	
	(b)	Explain in detail: Ontology-based mediators.	07	
Q.5	(a)	Explain web crawling process in details	07	
	(b)	Describe Failure management in distributed system.	07	
		OR		
Q.5	(a)	Write sort note on required properties of a distributed system.	07	
	(b)	Explain following terms:	07	
		 Graph Bisimulation OWL 		
