Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VIII (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2180713 **Date: 02/05/2017**

Subject Name: Web data Management(Departmental Elective - III)

Time: 10:30 AM to 01:00 PM **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain XSL in detail	**07**
	(b)	Write short note on XML Schema	**07**
Q.2	**(a)**	What is Ontology? Explain Ontology-based mediators	**07**
	(b)	Explain XML typing? Why it is essential in Web data management.	**07**
		OR	
	(b)	Compare DTD and XSD	**07**
Q.3	**(a)**	Discuss Global-as-view (GAV) and Local-as-view (LAV) mediation	**07**
	(b)	Differentiate well-formed and Valid xml document	**07**
		OR	
Q.3	**(a)**	Explain fragmentation in XML document in detail	**07**
	(b)	How semi-structure data model resolves issues in existing web data management	**07**
Q.4	**(a)**	What is RDF Triplet? Discuss RDF with example	**07**
	(b)	Differentiate between XPath and XQuery With examples	**07**
		OR	
Q.4	**(a)**	What is Graph semi structured data and graph bisimulation	**07**
	(b)	What is web crawling? Explain in details.	**07**
Q.5	**(a)**	Explain FLWOR Expression	**07**
	(b)	Discuss web graph mining and hot topics in web search	**07**
		OR	
Q.5	**(a)**	What is Distributed System? Discuss failure management in brief	**07**
	(b)	Explain Hash-based distributed access structure in brief	**07**

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