

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER–VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2180713****Date: 29/11/2018****Subject Name: Web Data Management****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

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

		MARKS
Q.1	(a) Differentiate: HTML and XML.	03
	(b) Explain semi structured data.	04
	(c) Write short note on XSL.	07
Q.2	(a) Define distributed system.	03
	(b) Explain SPARQL.	04
	(c) Explain ontology-based mediators in detail.	07
	OR	
	(c) Explain FLWOR expression with example.	07
Q.3	(a) Explain OWL.	03
	(b) Explain difference between well-formed and valid XML document.	04
	(c) Explain XPath and XQuery with suitable example.	07
	OR	
Q.3	(a) Discuss Peer-to-Peer Data Management System.	03
	(b) Explain Materialized data integration.	04
	(c) Explain web graph mining with example.	07
Q.4	(a) List important standards for XML.	03
	(b) Explain XLink and XPointer.	04
	(c) Discuss failure management in distributed system.	07
	OR	
Q.4	(a) Explain Document Type Definition.	03
	(b) Explain XML Schema Definition.	04
	(c) Discuss global-as-view mediation in detail.	07
Q.5	(a) Briefly explain XML fragmentation.	03
	(b) Explain web crawling with its usage.	04
	(c) List and explain XML evaluation techniques.	07
	OR	
Q.5	(a) Explain boolean queries with example.	03
	(b) List and explain problems of answering queries through ontologies.	04
	(c) Write a DTD that validate given xml.	07
	<note>	
	<to>Students</to>	
	<from>GTU</from>	
	<heading>Examination circular</heading>	
	<body>your exam is scheduled in November 2018</body>	
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