Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) EXAMINATION – SUMMER 2021	
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Su Tii	bject ne:02 truction 1. 2.	Name:Web Data Management 2:30 PM TO 05:00 PM	Date:06/08/2021 Total Marks: 70
Q.1	(a) (b) (c)	How DTD is declared in XML document? Explain with an examp Write a note on XSL. Explain XPath and XQuery with example.	ole. 03 04 07
Q.2	(a) (b) (c)	Differentiate between ranked trees and unranked trees. Write a note on XML schema. Discuss XML Data Model with example. OR	03 04 07
	(c)	Explain Materialized data integration.	07
Q.3	(a) (b) (C)	Compare: DTD and XSD. What is typing? Explain advantages of typing? Explain FLOWR expression with example. OR	03 04 07
Q.3	(a) (b) (C)	Explain ontology based mediation with example. Write a program to verify product information data using DTD. Explain web graph mining with example.	03 04 07
Q.4	(a) (b)	Describe following Axes in short. 1. Parent 2. Attribute 3. Self Explain fragment in XML document.	03
	(C)	Discuss failure management in distributed system.	07
	(C)	OR	07
Q.4	(a) (b) (C)		. 03 04 . 07
Q.5	(a) (b) (C)	What is the significance of tree based form and serialized form of X Discuss required properties of distributed system. How do we use Peer-to-peer data management systems in WDN OR	04
Q.5	(a)(b)(c)	What is Bisimulation? Discuss RDF with example. Explain Global-as-view (GAV) and Local-as-view (LAV) medi	03 04 ation. 07
