

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER-V • EXAMINATION – WINTER • 2014****Subject Code: 2650009****Date: 05-12-2014****Subject Name: Web Data Management****Time: 10:30 am - 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)** Define the Following Question:
- | | |
|---------------------------------------|----|
| (1) What is SOAP & WSDL? | 02 |
| (2) What is RDF(S) and OWL languages? | 02 |
| (3) What is XUpdate? | 01 |
| (4) Define Semistructured Data | 01 |
| (5) What is tree-based forms? | 01 |
- (b)** What is XML? Explain XML Document with Syntax and Example. 07
- Q.2 (a)** (1) Differentiate between XPath and XQuery 03
(2) Explain different XML Identifier. 04
- (b)** Explain WEB Data Management With Example 07
- OR**
- (b)** Describe the Processing an XML document with SAX and DOM 07
- Q.3 (a)** What is Typing? Explain Motivating Typing with Example. 07
(b) Explain Schema Languages for XML with Example. 07
- OR**
- Q.3 (a)** Write a short notes on Automata. 07
(b) Give details of XQuery step and expressions. 07
- Q.4 (a)** XML query evaluation techniques. 07
(b) How to installation of Managing an XML Database with EXIST Step by Step Process. 07
- OR**
- Q.4 (a)** Explain XPath and XQuery operators and functions in details 07
(b) Write a short notes on ontologies with example. 07
- Q.5 (a)** What is Data Integration? Difference between Global-As-View mediation and Local-As-View mediation. 07
(b) What is Bucket? Explain Bucket Algorithm Input and Output Step. 07
- OR**
- Q.5 (a)** What is Distributed System? Explain replication policies in a distributed system 07
(b) What is Distributed Access Structures? Explain Hash-based structures. 07
