

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA – SEMESTER – V EXAMINATION – WINTER 2015**

**Subject Code: 2650009****Date: 08/12/ 2015****Subject Name: Web Data Management (WDM)****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) What is XML? Explain XML Document with Syntax and Example. **07**  
 (b) Define the Following Question:  
 1. What is XUpdate? **01**  
 2. What is SOAP & WSDL? **02**  
 3. What is a tree-based form? **01**  
 4. What is an RDF(S) and OWL language? **02**  
 5. Define Semistructured Data. **01**
- Q.2** (a) Describe the Processing an XML document with SAX and DOM. **07**  
 (b) 1. Differentiate between XPath and XQuery. **03**  
 2. Explain different XML Identifier. **04**
- OR**
- (b) Explain WEB Data Management With Example. **07**
- Q.3** (a) Write a short note on Autonomies. **07**  
 (b) Explain Schema Languages for XML with Example. **07**
- OR**
- Q.3** (a) What is Typing? Explain Motivating Typing with Example. **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) What is Data Integration? Difference between Global-As-View mediation and Local-As-View mediation. **07**  
 (b) What is Distributed Access Structures? Explain Hash-based structures. **07**
- Q.5** (a) Explain XPath and XQuery operators and functions in details. **07**  
 (b) Write a short note on Ontologies with example. **07**
- OR**
- Q.5** (a) What is Distributed System? Explain replication policies in a distributed system. **07**  
 (b) What is Bucket? Explain Bucket Algorithm Input and Output Step. **07**

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