

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– V EXAMINATION – SUMMER 2017

Subject Code: 2650009**Date:06/06/2017****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.

- Q.1** (a) Define the Following Question: **01**
- (1) Define MonetDB **01**
 - (2) What is tree-based forms? **02**
 - (3) What is RDF(S) and OWL languages? **01**
 - (4) What is XUpdate? **02**
 - (5) What is SOAP & WSDL? **02**
- (b) Explain WEB Data Management With Example **07**
- Q.2** (a) (1) Differentiate between XPath and XQuery **03**
- (2) Explain different XML Identifier. **04**
- (b) Write a short notes on Automata. **07**
- OR**
- (b) What is XML? Explain XML Document with Syntax and Example. **07**
- Q.3** (a) XML query evaluation techniques. **07**
- (b) What is Typing? Explain Motivating Typing with Example. **07**
- OR**
- Q.3** (a) Give details of XQuery step and expressions. **07**
- (b) Write short notes on ontologies with example. **07**
- Q.4** (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**
- OR**
- Q.4** (a) What is Data Integration? Difference between Global-As-View mediation and Local-As-View mediation. **07**
- (b) Explain Schema Languages for XML with Example. **07**
- Q.5** (a) How to installation of Managing an XML Database with EXIST Step by Step Process. **07**
- (b) What is Distributed Access Structures? Explain Hash-based structures. **07**
- OR**
- Q.5** (a) Describe the Processing an XML document with SAX and DOM **07**
- (b) Explain XPath and XQuery operators and functions in details. **07**