

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– V EXAMINATION – WINTER 2016

Subject Code: 2650009

Date: 24/11/2016

Subject Name: Web Data Management

Time: 10:30 TO 01:00

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 Semistructured Data **01**
(2) What is XUpdate? **02**
(3) What is SOAP & WSDL? **01**
(4) What is tree-based forms? **02**
(5) What is RDF(S) and OWL languages? **07**
(b) Describe the Processing an XML document with SAX and DOM **07**
- Q.2** (a) What is XML? Explain XML Document with Syntax and Example. **07**
(b) Explain WEB Data Management With Example **07**
OR
(b) (1) Differentiate between XPath and XQuery **03**
(2) Explain different XML Identifier. **04**
- Q.3** (a) Write short notes on Autonomies. **07**
(b) Explain Schema Languages for XML with Example. **07**
OR
- Q.3** (a) Give details of XQuery step and expressions. **07**
(b) What is Typing? Explain Motivating Typing with Example. **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 short notes on ontologies with example. **07**
- Q.5** (a) What is Bucket? Explain Bucket Algorithm Input and Output Step. **07**
(b) What is Distributed Access Structures? Explain Hash-based structures. **07**
OR
- Q.5** (a) What is Distributed System? Explain replication policies in a distributed system. **07**
(b) What is Data Integration? Difference between Global-As-View mediation and Local-As-View mediation. **07**
