Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER– V EXAMINATION – SUMMER 2016

Subject Code: 2650009 **Date: 11/05/2016**

Subject Name : Web Data Management

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] Define the Following Question: **07**

(1) Full Form of RDF and OWL.
(2) What is XPointer ?
(3) What is work of SVG ?
(4) Define : Saxon
(5) Write rules of Converting a node set to a string.
(6) Difference between XPath 1.0 and XPath 2.0.
(7) Define : MonetDB

[B] How semistructure data model resolves issues in existing web data management? **07**

Q.2 [A] Discuss FLWOR Expression in XQuery with example. **07**

[B] What is XPath Axes ? List out All and Explain any Seven. **07**

OR

[B] "An XML document is a labeled, unranked, ordered tree." Explain with example**.** **07**

Q.3 [A] Discuss between ranked trees and unranked trees. **07**

[B] Explain XML evaluation techniques. **07**

OR

Q.3 [A] Explain Region-based identifiers with Example. **07**

[B] Discuss importance of DTD and XSD with example. **07**

Q.4 [A] How to Fragmenting XML document on disk explain with example. **07**

[B] Explain Graph Semistructured data and Graph Bisimulation. **07**

OR

Q.4 [A] How to work Failure Management in Distributed System. **07**

[B] Write Short note of Ontologies and logics. **07**

Q.5 [A] What is MapReduce ? How to mapreduces operates in Steps. **07**

[B] What is Web Searching ? Discuss Web Graphics Mining. **07**

OR

Q.5 [A] How to Work Search tree in Distributed Indexing. **07**

[B] What is Distributed System ? Which property required in Distributed system. **07**