

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA SEMESTER-V EXAMINATION WINTER - 2017

Subject Code:2650009

Date:29/11 /2017

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) What is semistructured data? Explain with example. **07**

(b) How XML is different from HTML? Explain XML syntax in detail. **07**

Q.2 (a) Explain XML based data exchange with suitable figure. **07**

(b) Discuss all types of XPath axes in brief. **07**

OR

(b) What are the XML standards? Discuss the DOM in detail. **07**

Q.3 (a) Explain XPath steps and expressions in detail. **07**

(b) Why typing is important? Explain Dynamic and Static Typing briefly. **07**

OR

Q.3 (a) Explain the predicates and its types of conversions in detail. **07**

(b) Explain the term Ontologies with its all benefits in detail. **07**

Q.4 (a) Discuss FLWOR expressions in XQuery. **07**

(b) Write a short note on "XML Schema". **07**

OR

Q.4 (a) Explain Graph Semistructured Data, Graph Bisimulation and Data guides. **07**

(b) Explain different techniques used in Web Information Retrieval. **07**

Q.5 (a) Discuss Resource Description Framework (RDF) in detail. **07**

(b) What are the Required properties of a distributed system? Explain. **07**

OR

Q.5 (a) Discuss Global-as-view mediation in detail. **07**

(b) Explain the programming model along with its scope of MapReduce in detail. **07**
