

GUJARAT TECHNOLOGICAL UNIVERSITY**M.C.A.- SEMESTER – V • EXAMINATION – WINTER 2012****Subject code: 650009****Date: 28-12-2012****Subject Name: Web Data Management****Time: 10:30 am – 1:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q. 01 (a) Answer The following Questions

- (i) Give Examples of Semi-Structural Data. [03]
- (ii) Describe the significance of XPath. [02]
- (iii) What is API and EXIST? [02]

(b) Answer The following Questions

- (i) Explain XML based Data Exchange. [03]
- (ii) Describe the significance of XQuery. [02]
- (iii) What is SOAP & WSDL? [02]

Q. 02 (a) Answer The following Questions

- (i) Give the example of XPath expressions. [03]
- (ii) What is XUpdate? [02]
- (iii) What is RDF(S) and OWL languages? [02]

- (b) Describe the Processing an XML document with SAX and DOM. [07]

OR

- (b) Describe in detail FLWOR expressions in XQuery. [07]

Q. 03 (a) Give detail of XPath steps and expressions. [07]

- (b) Explain different XML identifiers. [07]

OR**Q. 03 (a) Give detail of XQuery steps and expressions. [07]**

- (b) What are the advantages of Ontologies? [07]

Q. 04 (a) Explain RDFS in detail with proper example. [07]

- (b) Why it is difficult to answer the query to ontologies then to answer the simple query of database. [07]

OR**Q. 04 (a) Explain the Bucket algorithm of Local-as-view mediation. [07]**

- (b) Explain the different techniques of XML evaluation techniques. [07]

Q. 05 (a) Explain Hash-based Distributed Access structures. [07]

- (b) Explain Distributed computing. [07]

OR**Q. 05 (a) Explain in detail Web Graph Mining. [07]**

- (b) Explain Distributed systems. [07]
