

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEMESTER– VII• EXAMINATION – WINTER 2014

Subject Code: 170708**Date: 29/11/2014****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) Discuss the web crawling. **07**
(b) Discuss advanced features of FLWOR with example. **07**
- Q.2** (a) Discuss XPath and XQuery With examples. **07**
(b) Write XML Schema (XSD) for given Employee.xml **07**
- OR**
- (b) Write DTD for given Employee.xml **07**
- Q.3** (a) What is XPath Axes? Describe following Axes in brief. **07**
1) Axes 2) Sibling 3) descendant 4) parent 5) attribute 6) self 7) preceding
(b) Explain Web Data Management with XML. **07**
- OR**
- Q.3** (a) Explain XLink and XPointer with example. **07**
(b) Explain XML evaluation techniques. **07**
- Q.4** (a) "An XML document is a labeled, unranked, ordered tree." Explain with example. **07**
(b) Explain XSL in detail. **07**
- OR**
- Q.4** (a) What is Ontology? Discuss RDF with example. **07**
(b) Compare DTD and XSD. **07**
- Q.5** (a) Explain Ontology based mediation with example. **07**
(b) How data can be exchanged between applications using XML. **07**
- OR**
- Q.5** (a) What is Distributed System? Discuss failure management in brief. **07**
(b) How semi-structure data model resolves issues in existing web data management? **07**
