

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.

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|------------|------------|---|-----------|
| 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.
1) Axes 2) Sibling 3) descendant 4) parent 5) attribute 6) self 7) preceding | 07 |
| | (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 |
