

GUJARAT TECHNOLOGICAL UNIVERSITY**ME - SEMESTER-IV • EXAMINATION- WINTER • 2014****Subject Code: 742301****Date: 26-11-2014****Subject Name: Web 2.0 & Semantic Web****Time: 02:30 pm - 05:00 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)** Answer the following questions.
1. Give details about data preparation and association. **05**
 2. Write a note on Web Mining. **04**
 3. What are benefits of Intelligent Web? **03**
 4. Write in brief about XSLT styles? **02**
- Q.2 (a)** Write a note on structure of DOM. What are DOM support levels and DOM API Overview? **07**
- (b)** Discuss Browser drawbacks and their respective Rich Clients solution in detail. **07**
- OR**
- (b)** What is Javascript optimization? How to reduce JavaScript download time with a suitable example? **07**
- Q.3 (a)** Briefly explain few areas where XML serving to web browser is different than HTML serving to web browser with respect to static , dynamic content and XML databases with an example. **07**
- (b)** Describe Mail Support architecture and list steps of setting up local mail server with an example. **07**
- OR**
- Q.3 (a)** How web mash up is realized by Buzzwatch? Describe the role of scripting language into it? **07**
- (b)** What is the role of CSS in page presentation? Explain with a suitable example. **07**
- Q.4 (a)** What is business model of Mashup? Give benefits and drawbacks of Screen Scrapping. **07**
- (b)** List and explain the reasons to use XHTML over HTML with their comparison. **07**
- OR**
- Q.4 (a)** Write a program to showcase how XMLHttpRequestHistory works. List the steps of its execution sequence. **07**
- (b)** Write XForms Hello World example and describe what change it offers to user. Describe XForms sub-elements. **07**
- Q.5 (a)** Answer the following questions.
1. Why excessive use of Callbacks is a bad idea? Explain in brief. **04**
 2. What are basics of HTTP redirection? Define client side redirection. **03**
- (b)** Answer the following questions.
1. Write a note on SVG along with its pieces in recent versions. Why SVG is widely used? **04**
 2. List basic and advances features of XUL. **03**
- OR**

- Q.5** **(a)** Answer the following questions.
1. Give the example of JSON syntax describing its constructs like objects, arrays and values. **04**
 2. Describe RSS 1.0, RSS 2.0 and Atom Syndication Formats in brief. **03**
- (b)** Answer the following questions.
1. Give comparison of REST and WS-* with respect to SOAP and WSDL. **05**
 2. How Web feed works? **02**
