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06CS/IS832

Eighth Semester B.E. Degree Examination, December 2012
Web 2.0 and Rich Internet Application

Time: 3 hrs.

Max. Marks:100

Note: *Answer FIVE full questions, selecting*
at least TWO questions from each part.

PART – A

1 a. What is Web 2.0? Briefly explain the various properties of Web 2.0. **(10 Marks)**
   b. What is SOAP? Explain the RPC style SOAP by giving the format for the request, response and error message. **(10 Marks)**

2 a. What is AJAX? Explain the various ATAX principles. **(10 Marks)**
   b. Give the complete code at the client side to implement the AJAX hidden frame POST method. **(10 Marks)**

3 a. Briefly explain the various values for ready state property of the XMLHttp object. **(05 Marks)**
   b. Explain the submission throttling Ajax pattern. **(05 Marks)**
   c. Briefly explain the various steps involved in client-server communication using XMLHttp object. Give the complete Java-script code. **(10 Marks)**

4 a. Bring out the various differences between traditional HTML and Flex web applications. **(05 Marks)**
   b. With a neat block diagram, explain how the flex applications work? **(05 Marks)**
   c. What is the use of Action script in flex applications? Explain the various options to use Action script within MXML by giving example for each. **(10 Marks)**

PART – B

5 a. Explain the getter and setter methods available in action script. Give example for each. **(06 Marks)**
   b. What is a package? How you declare a package in Action script? Give the syntax. **(06 Marks)**
   c. Explain the various library methods used in Action script to read the XML data using the DOM approach. Give example for each method. **(08 Marks)**

6 a. Explain the flex application life cycle. **(05 Marks)**
   b. How do you load one flex application into another flex application? Explain with example. **(05 Marks)**
   c. Explain the Tile and Grid layout rules available in Flex framework. Give example for each. **(10 Marks)**

7 a. With an example program, explain how tree control is used in flex. **(05 Marks)**
   b. What is data binding? How is it implemented using binding utils? **(05 Marks)**
   c. What is a data model? Give the implementation of XML based data modeling using <mx:XML> tag. **(10 Marks)**

8 a. What is a web service? With example, explain how web service components are used within MXML. **(10 Marks)**
   b. Explain with example, how you handle simple HTTP services in flex. **(10 Marks)**

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