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10CS/IS832

Eighth Semester B.E. Degree Examination, Dec.2014/Jan.2015
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

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

PART – A

1   a. Draw the diagram for AJAX application model and traditional web application model and compare them. **(10 Marks)**
    b. What is XMLHTTP request? With suitable examples bring out the different browser implementations of XMLHTTP. **(10 Marks)**

2   a. Explain handling multiple XMLHTTP Request objects in the same page with an example program. **(10 Marks)**
    b. How do you search XML documents for just the data you are looking for by using the XML document objects getElementByTagName method? Explain with an example program. **(10 Marks)**

3   a. Use the combination of CSS and AJAX to accomplish the following:
       Create an html file with a button that when clicked, calls a function named getData, asking that function to download a file named message.txt which displays text in red for half a second then change to blade. **(15 Marks)**
    b. How do you handle timeouts in AJAX? **(05 Marks)**

4   a. Explain the factors that influence the flash player. **(06 Marks)**
    b. Differentiate between HTML and flex application. **(04 Marks)**
    c. With a neat diagram, explain how flex application works. **(10 Marks)**

PART – B

5   a. Briefly explain the MXML syntax and structure. **(12 Marks)**
    b. What are the UI components? What are the common properties implemented with UI components? **(08 Marks)**

6   a. Define Action Script. What are all the ways to includes Action Script within flex with examples? **(08 Marks)**
    b. Explain how Action Script handles runtime errors. **(06 Marks)**
    c. Define Interfaces. List the differences between interfaces and classes. **(06 Marks)**

    a. How do create object in an Action Script? Explain with examples. **(08 Marks)**
    b. How to define state in an Action Script? Explain how to add and remove elements using Action Script. **(12 Marks)**

8   Write short notes on the following :
    a. Data binding features of flex framework
    b. Building data binding proxies
    c. Formatting Data
    d. Validating User Input. **(20 Marks)**

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