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10CS/IS832



Eighth Semester B.E. Degree Examination, June/July 2014

Web 2.0 and Rich Internet Applications

Max. Marks:100

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

PART - A

- 1 a. Distinguish between traditional web application model and AJAX web development model with diagram. (10 Marks)
- b. Write a program to demonstrate the AJAX application for the following: (10 Marks)
 - i) Fetch the data from the server behind the scene and updates its web page in the browser without causing the page refresh.
 - ii) Use open and onclick commands.
- 2 a. Define inner functions. And write on Ajax application to demonstrate it. (Downloading IS). (10 Marks)
- b. Write the syntax of XMLHttpRequest object open method. What is the purpose of it? (10 Marks)
- 3 a. Write a code to demonstrate the following: (10 Marks)

CSS text properties and their values are:
font-style: italic, font-weight: bold, font-size: 16 pt, line-height: 12pt, text-decoration: underline, font-family: Times New Roman, Arial, text-align: center, use paragraph. And for div increase the following text when a button is clicked to 36 pt.

Paragraph text:

Welcome to CSS text property demonstration
Now let me click the button

Click me

Div text: He! its really amazing. (10 Marks)
- b. Write short notes on any TWO: (10 Marks)
 - i) Validity of integer
 - ii) Handling timeouts
 - iii) Replacing elements using DOM.
- 4 a. Briefly explain the flex application life cycle. (08 Marks)
- b. What is flex framework? Explain the contents of flex class library. (12 Marks)

PART - B

- 5 a. Briefly explain MXML syntax and structure. (08 Marks)
- b. What are the UI components? What are the common properties implemented with UI components? (12 Marks)
- 6 a. Discuss the examples of error handling in action script. (08 Marks)
- b. Explain the concept of arrays in action script with examples. (06 Marks)
- c. Explain the inheritance and interface features in action script. (06 Marks)
- 7 a. How to create object and states in an action script? (12 Marks)
- b. Demonstrate with an example, handling events with action script. (08 Marks)
- 8 Write short notes on any four: (20 Marks)
 - a. Data binding features of flex framework
 - b. XML based data models
 - c. Building data binding proxies
 - d. Validating the user input
 - e. Formatting data

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.