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10MCA556

Fifth Semester MCA Degree Examination, June/July 2016
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. What is Ajax? Explain briefly with an example usage of Ajax. (10 Marks)
b. Write any 5 Java script properties that can be used to work with XML nodes. (05 Marks)
c. Explain any 5 XMLHttpRequest object properties. (05 Marks)
- 2 a. Create a simple Ajax application to send data to the server using POST method and display the server response on the browser. (10 Marks)
b. Write an Ajax application to create and use an array of XMLHttpRequest object. (10 Marks)
- 3 a. Explain briefly with an example how to append HTML elements using DOM. (10 Marks)
b. Write a PHP and Ajax application to validate the user input data to be NOT NULL. (10 Marks)
- 4 a. Explain how one flex application is loaded into another flex application. (08 Marks)
b. What is preloader? List and explain valid events for a preloader. (08 Marks)
c. Differentiate between flash player and flex framework. (04 Marks)
- 5 a. What is MXML? Explain briefly with an example how to handle events and data binding using MXML. (10 Marks)
b. What are UI components? What are the common properties implemented with UI components. (10 Marks)
- 6 a. What is Action script? Explain four basic options for placing the code within flex. (10 Marks)
b. Explain briefly with an example how to handle events and errors using Action script. (10 Marks)
- 7 a. Explain the following with respect to managing state :
(i) Creating states (ii) Applying states (iii) Defining states
(iv) Setting properties for state (v) Using Action script to define states. (10 Marks)
b. What is data binding? Explain with an example use of binding utilities for data binding. (10 Marks)
- 8 Write short notes on :
a. AVM2
b. Fluid Interface
c. Open method of XMLHttpRequest object
d. Box-based layout. (20 Marks)

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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.