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10MCA556

**Fifth Semester MCA Degree Examination, Dec.2014/Jan.2015**  
**Web 2.0 and Rich Internet Applications**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer any FIVE full questions.**

- 1 a. What is Ajax? Discuss the real world applications of Ajax. (10 Marks)  
b. Write an Ajax program to read a text file from a web server. (10 Marks)
- 2 a. Bring out the difference while Ajax communicates using GET and POST methods, with an example. (10 Marks)  
b. What is Browser Cache problem in Ajax? How can it be solved? (10 Marks)
- 3 a. Explain the working of an Array of XMLHttpRequest object, with an example. (10 Marks)  
b. Demonstrate how Ajax can download HTML headers. (10 Marks)
- 4 a. What is the purpose of time – outs in web applications? How is a time-out handled in Ajax? (10 Marks)  
b. Write an Ajax program to read a XML document. (10 Marks)
- 5 a. Explain with an example, how Ajax uses DOM methods to insert, replace and append HTML elements. (10 Marks)  
b. With an example, discuss how Ajax sets and changes the stacking order of web page elements. (10 Marks)
- 6 a. Explain with a neat diagram, working of a Flex application. (06 Marks)  
b. Discuss the different ways of handling events in ActionScript, with examples. (08 Marks)  
c. Describe the various stages of component life cycle. (06 Marks)
- 7 a. How are synchronous and asynchronous errors handled in ActionScript. (06 Marks)  
b. Draw the class diagram of container components. Explain any three of it. (08 Marks)  
c. Explain any six common UI component properties. (06 Marks)
- 8 a. What is a state in Flex? Write an example code to handle different states. (06 Marks)  
b. What is a data model? Explain the usage of <MX : Model> tag in Flex applications. (06 Marks)  
c. Explain the various types of data binding, with an example each. (08 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.