Fifth Semester MCA Degree Examination, Dec.2017/Jan.2018
Web 2.0 RIA

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1 a. What is Ajax? Explain with an example, how is Ajax different form traditional web applications. **(08 Marks)**
   b. Describe the hidden frame technique of Ajax with a neat diagram. **(08 Marks)**
   c. Briefly explain the technologies behind Ajax. **(04 Marks)**

2 a. How do handle multiple and concurrent request in Ajax, explain with an example of handling to XMLHTTPRequest object. **(08 Marks)**
   b. What is inner function in Ajax? Explain with an example. **(06 Marks)**
   c. Draw a flow chart to explain the concept of submission throttling pattern. **(06 Marks)**

3 a. What is DOM. Explain how to append, insert and replace new elements using DOM with an example? **(10 Marks)**
   b. What is the purpose of time outs in web applications? How to handle time outs in Ajax. **(06 Marks)**
   c. How do wrap up an applications into an single php page. Explain with an example. **(04 Marks)**

4 a. What is flex? Explain in brief about the technologies behind flex. **(10 Marks)**
   b. List atleast five differences between the flex web technologies and traditional web technologies. **(06 Marks)**
   c. Explain the component life cycle of flex. **(04 Marks)**

5 a. What is MXML? How is MXML used in flex framework? Explain with an example. **(06 Marks)**
   b. Discuss some of the common UI component properties with example. **(08 Marks)**
   c. List out MXML and ActionScript correlations. **(06 Marks)**

6 a. List the difference between interfaces and classes in ActionScirpt. **(05 Marks)**
   b. What is state in Flex? Write an example to handle different states in flex. **(10 Marks)**
   c. What is reflection in Action Script? How is it used? **(05 Marks)**

7 a. What is data binding? Explain the different types of data binding with examples. **(10 Marks)**
   b. What is data model? Explain the usage of <mx : model> tag in flex application. **(05 Marks)**
   c. How to validate user input? Explain with an example. **(05 Marks)**

8 Write short notes on :
   a. SAAS
   b. Fluid user interface
   c. Semantic web
   d. Collaborative tagging and folksonomies. **(20 Marks)**

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