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13MCA552

Fifth Semester MCA Degree Examination, June/July 2017
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Discuss the principles of Ajax. (07 Marks)
b. List the technologies behind Ajax. (03 Marks)
c. Explain the hidden frame concept of Ajax with a neat block diagram. (10 Marks)
- 2 a. List and describe any five properties and five methods of XMLHttpRequest object for internet explorer. (10 Marks)
b. Demonstrate the creation of multiple XMLHttpRequest objects using arrays. (10 Marks)
- 3 a. Show the necessary Ajax code to replace elements using the DOM. (10 Marks)
b. Demonstrate the downloading of images with Ajax. (10 Marks)
- 4 a. Discuss about the three significant instances of flex application that gives structuredness to the application. Also discuss briefly the role of these instances in loading and initializing the flex application. (12 Marks)
b. List and describe the container type components in Flex3. (08 Marks)
- 5 a. Demonstrate the 4 ways of adding ActionScript to Flex. (08 Marks)
b. Demonstrate the following concepts with respect to ActionScript :
i) Arrays ii) Handling events iii) Variables, properties and methods. (12 Marks)
- 6 a. Demonstrate the creation of custom effects in Flex3. (10 Marks)
b. Demonstrate defining states using ActionScript. (10 Marks)
- 7 a. Show the necessary ActionScript code to link any two form controls with data models. (10 Marks)
b. Mention and discuss about any five standard framework validators. (10 Marks)
- 8 Write short notes on the following :
a. Business models for internet and web
b. SAAS
c. Collaborative tagging
d. Semantic web. (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.