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06CS/IS832

Eighth Semester B.E. Degree Examination, December 2011
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

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

PART – A

- 1
 - a. What is web 2.0? Explain the concepts involved in web 2.0. (06 Marks)
 - b. Explain any two web services. (06 Marks)
 - c. What is JSON? How it is differ with XML. Explain syntax and literals of JSON. (08 Marks)
- 2
 - a. Distinguish between traditional web application model and Ajax web application model. (06 Marks)
 - b. What is hidden frame technique? Explain hidden frame technique with an GET method. Also list advantages and disadvantages of the same. (08 Marks)
 - c. Explain the principles of Ajax. List the technologies behind Ajax. (06 Marks)
- 3
 - a. Explain XHR object with both GET and POST method. Also list the advantages and disadvantages of the same. (10 Marks)
 - b. Briefly explain the Ajax design patterns. (10 Marks)
- 4
 - a. List and explain the different categories of flex class library. (08 Marks)
 - b. Compare and contrast traditional and flex web applications. (06 Marks)
 - c. Explain application document and component document of MXML. (06 Marks)

PART – B

- 5
 - a. Explain four basic options used during embedding action script within flex. (08 Marks)
 - b. Explain the following terms related to action scripts i) Methods ; ii) Interfaces. (06 Marks)
 - c. Explain the runtime error handling capability of action script. (06 Marks)
- 6
 - a. Explain flex application life cycle. (06 Marks)
 - b. List and explain the flex layout rules. (06 Marks)
 - c. Explain the class diagram of container components with the help of a neat diagram. (08 Marks)
- 7
 - a. Explain the different categories of UI components. Also list the properties of common UI components. (08 Marks)
 - b. Explain the list – based controls and tree control of flex. (06 Marks)
 - c. Explain the data binding features of flex framework. (06 Marks)
- 8

Write short notes on :

 - a. Mashup techniques.
 - b. Building RSS reader with Ajax.
 - c. Web services in flex.
 - d. Fluid interface. (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.