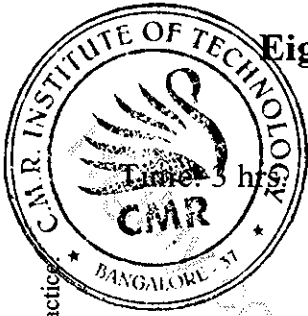


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Eighth Semester B.E. Degree Examination, June/July 2013
Web 2.0 and Rich internet Applications

Max. Marks:100

**Note: Answer FIVE full questions, selecting
atleast TWO questions from each part.**

PART – A

- 1 a. Write short notes on :
 - i) Software as a service (SaaS) (09 Marks)
 - ii) SOAP (06 Marks)
 - iii) WSDL. (05 Marks)
- b. Briefly explain array literals, object literals and mixed literals. (06 Marks)
- c. With an example, explain how JSON is different from XML. (05 Marks)
- 2 a. Briefly explain the AJAX principles. (07 Marks)
- b. Draw the neat diagram for AJAX application model and traditional web application model and compare them. (08 Marks)
- c. Describe the hidden frame technique in AJAX. (05 Marks)
- 3 a. Briefly explain frame and cache control. (04 Marks)
- b. Write down any four XML HTTP request (XHR) methods along with their parameters. (04 Marks)
- c. Write short notes on the following AJAX patterns
 - i) Submission throttling
 - ii) Multistage download
 - iii) Fall back patterns. (12 Marks)
- 4 a. What is meant by flex frame work? Explain any four frame works. (05 Marks)
- b. Differentiate between HTML and flex application. (04 Marks)
- c. With a neat diagram, explain how flex application works. (05 Marks)
- d. Explain the different ways in which component properties can be set in MXML. (06 Marks)

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PART – B

- 5 a. Define action script(AS)? Give the basic options to place action script code within flex. (06 Marks)
- b. Explain the concept of inheritance in ActionScript (AS), with an example. (05 Marks)
- c. Create a button with a label "OK" using MXML and AS. (04 Marks)
- d. Explain how action script handles run time errors. (05 Marks)
- 6 a. Explain the flex application life cycle. (05 Marks)
- b. Explain the process of loading one flex application into another flex application, with an example. (05 Marks)
- c. Draw the class diagram of container components. Explain any three of it. (06 Marks)
- d. Explain the constraint – based layout with an example. (04 Marks)

- 7 a. Explain common UI component properties (any six). (06 Marks)
b. Briefly explain button UI component. (04 Marks)
c. Explain the XML – based data model. (05 Marks)
d. Explain the curly brace ({}) syntax to apply data binding. (05 Marks)
- 8 a. Explain three categories of flex application remote data communication. (06 Marks)
b. With example, explain loading text and using data binding with HTTP service. (08 Marks)
c. Write short notes on :
i) URL loader in flex
ii) Web services in flex. (06 Marks)

