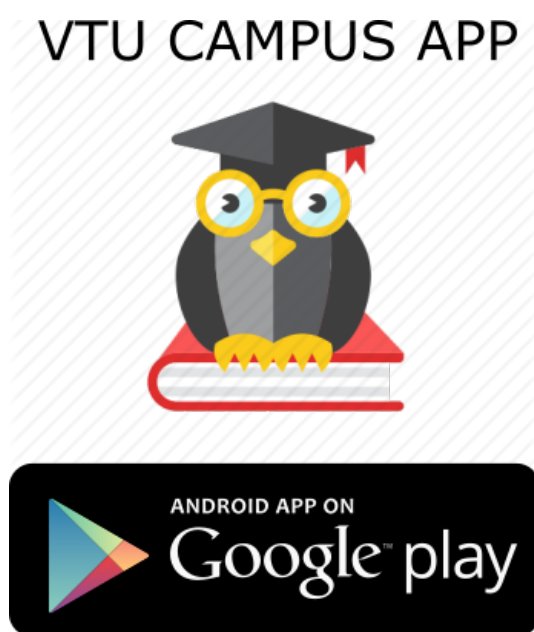


Web 2.0 and Rich Internet Applications VTU Question Paper Set



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Eighth Semester B.E. Degree Examination, Dec.2015/Jan.2016
Web 2.0 & Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

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

PART – A

- 1 a. Distinguish between traditional web application model and AJAX web development model with diagram. (10 Marks)
b. Why hidden frames are used? Explain the hidden frame technique for CGT request, with example. (10 Marks)
- 2 a. Write the syntax of XMLHttpRequest object open method What is the purpose of it? (10 Marks)
b. Write an AJAX application to demonstrate a connection with Google suggest. (06 Marks)
c. Define inner functions. (04 Marks)
- 3 a. Write an AJAX application to dynamically create & validate an image. (08 Marks)
b. Write a note on Images & cookies. (04 Marks)
c. Write short notes on any two:
i) Validity of integer ii) Handling timeouts iii) Replacing elements using DOM. (08 Marks)
- 4 a. Compare and contrast traditional & flex web applications. (06 Marks)
b. List the various advantages of flex player. (04 Marks)
c. What is flex framework? Explain the contents of flex class library. (10 Marks)

PART – B

- 5 a. Briefly explain MXML syntax and structures. (08 Marks)
b. What are the UI components? What are the common properties implemented with UI components? (12 Marks)
- 6 a. Write the MXML script to control the button using popup controls. (06 Marks)
b. Explain the class diagram of container components with the help of a neat diagram. (08 Marks)
c. Explain the concepts of arrays in action script with examples. (06 Marks)
- 7 a. How to create object & states in an action script? (10 Marks)
b. Demonstrate with an example, handling events with action script. (10 Marks)
- 8 Write short notes on any four:
a. Data binding for custom classes
b. Building data binding proxies
c. Validating user input
d. Formatting Data
e. Error handling in action script (20 Marks)

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10CS/IS832

Eighth Semester B.E. Degree Examination, June/July 2015

Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks: 100

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

PART – A

1.
 - a. What is Ajax? Explain the technologies behind Ajax. (06 Marks)
 - b. How to create the XMLHttpRequest object? Explain with program. (08 Marks)
 - c. Write any four XHR object properties and their meaning. (06 Marks)
2.
 - a. Write a program that illustrates the creation of two XHR objects in the same page. (10 Marks)
 - b. List the JavaScript properties that can be used with nodes. (10 Marks)
3.
 - a. How to set the element locations in web pages? Explain with CSS position properties. (10 Marks)
 - b. What are the advantages of CSS in web designing? (04 Marks)
 - c. Explain the two methods that are used to modify the HTML pages. (06 Marks)
4.
 - a. With a neat diagram, explain how flex application works. (06 Marks)
 - b. Give the differences between traditional and flex web applications. (06 Marks)
 - c. Explain the different components that are available in flex class library. (08 Marks)

PART – B

5.
 - a. Explain the properties of common UI components which work in MXML. (10 Marks)
 - b. What is data binding? What are the ways to apply data binding? (10 Marks)
6.
 - a. In brief, explain the different ways to use ActionScript code with flex. (10 Marks)
 - b. List the ActionScript data types. (05 Marks)
 - c. How ActionScript handles synchronous errors? (05 Marks)
7.
 - a. What is state? Write the code snippet to create a state. (06 Marks)
 - b. How to define and add a state using ActionScript. (08 Marks)
 - c. Explain how to handle state events. (06 Marks)
8.
 - a. Write short note on :
 - i) Building data binding proxies
 - ii) XML based data models. (10 Marks)
 - b. In brief, explain standard framework validators. (10 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.

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Eighth Semester B.E. Degree Examination, Dec.2014/Jan.2015
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

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

PART - A

- 1 a. Draw the diagram for AJAX application model and traditional web application model and compare them. (10 Marks)
b. What is XMLHTTP request? With suitable examples bring out the different browser implementations of XMLHTTP. (10 Marks)
- 2 a. Explain handling multiple XMLHTTP Request objects in the same page with an example program. (10 Marks)
b. How do you search XML documents for just the data you are looking for by using the XML document objects getElementByTagName method? Explain with an example program. (10 Marks)
- 3 a. Use the combination of CSS and AJAX to accomplish the following:
Create an html file with a button that when clicked, calls a function named getData, asking that function to download a file named message.txt which displays text in red for half a second then change to blue. (15 Marks)
b. How do you handle timeouts in AJAX? (05 Marks)
- 4 a. Explain the factors that influence the flash player. (06 Marks)
b. Differentiate between HTML and flex application. (04 Marks)
c. With a neat diagram, explain how flex application works. (10 Marks)

PART - B

- 5 a. Briefly explain the MXML syntax and structure. (12 Marks)
b. What are the UI components? What are the common properties implemented with UI components? (08 Marks)
- 6 a. Define Action Script. What are all the ways to include Action Script within flex with examples? (08 Marks)
b. Explain how Action Script handles runtime errors. (06 Marks)
c. Define Interfaces. List the differences between interfaces and classes. (06 Marks)
- 7 a. How do create object in an Action Script? Explain with examples. (08 Marks)
b. How to define state in an Action Script? Explain how to add and remove elements using Action Script. (12 Marks)
- 8 Write short notes on the following :
a. Data binding features of flex framework
b. Building data binding proxies
c. Formatting Data
d. Validating User Input. (20 Marks)



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10CS/IS832

Eighth Semester B.E. Degree Examination, June/July 2014
Web 2.0 and Rich Internet Applications

Time: 3 hrs.

Max. Marks:100

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

PART – A

- 1 a. Distinguish between traditional web application model and AJAX web development model with diagram. (10 Marks)
- b. Write a program to demonstrate the AJAX application for the following:
 - i) Fetch the data from the server behind the scene and updates its web page in the browser without causing the page refresh.
 - ii) Use open and onclick commands. (10 Marks)
- 2 a. Define inner functions. And write on Ajax application to demonstrate it. (Downloading IS). (10 Marks)
- b. Write the syntax of XMLHttpRequest object open method. What is the purpose of it? (10 Marks)
- 3 a. Write a code to demonstrate the following:
 CSS text properties and their values are:
 font-style: italic, font-weight: bold, font-size: 16 pt, line-height: 12pt, text-decoration: underline, font-family: Times New Roman, Arial, text-align: center, use paragraph. And for div increase the following text when a button is clicked to 36 pt.
 Paragraph text:
Welcome to CSS text property demonstration
 Now let me click the button

Click me

 Div text: He! its really amazing. (10 Marks)
- b. Write short notes on any TWO: (10 Marks)
 - i) Validity of integer
 - ii) Handling timeouts
 - iii) Replacing elements using DOM.
- 4 a. Briefly explain the flex application life cycle. (08 Marks)
- b. What is flex framework? Explain the contents of flex class library. (12 Marks)

PART – B

- 5 a. Briefly explain MXML syntax and structure. (08 Marks)
- b. What are the UI components? What are the common properties implemented with UI components? (12 Marks)
- 6 a. Discuss the examples of error handling in action script. (08 Marks)
- b. Explain the concept of arrays in action script with examples. (06 Marks)
- c. Explain the inheritance and interface features in action script. (06 Marks)
- 7 a. How to create object and states in an action script? (12 Marks)
- b. Demonstrate with an example, handling events with action script. (08 Marks)
- 8 Write short notes on any four:

a. Data binding features of flex framework	b. XML based data models
c. Building data binding proxies	d. Validating the user input
e. Formatting data	

 (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
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