

Seat No. : _____

ZJ-115

May-2014

B.C.A. Sem.-II

CC-109 : Dynamic HTML & XML

Time : 3 Hours]

[Max. Marks : 70

- Instructions :**
- (1) Figures to the right indicate full marks.
 - (2) Make and state any necessary assumptions.
 - (3) Draw diagrams wherever necessary.

1. (a) Answer the following : **8**

- (1) Define rule and selector with example. Explain how comments are used in CSS.
- (2) State advantages and disadvantages of CSS.

OR

(a) Answer the following :

- (1) Explain style sheets and its types with example.
- (2) Write a short note on Positioning.

(b) Answer the following :

6

- (1) Explain the following properties : Unicode-bidi, Decoration and Word spacing with example.
- (2) Write a CSS code to set border for the text "CASCADING STYLE SHEET". Change the colour of font to red colour. Text should be center aligned. Also set cell padding for each side for the same.

OR

(b) Answer the following :

- (1) What is Class ? What is the use of Class in Web Page ?
- (2) Explain the difference between Relative and Fixed Position.

2. (a) Answer the following :

8

- (1) List the operators available in JavaScript.
- (2) What is scripting language ? How it differs from programming language ?

OR

(a) Answer the following :

- (1) Explain the advantages of JavaScript.
- (2) Write a short note on array with example.

- (b) Answer the following : **6**
(1) Define function in JavaScript with example. Write any two system defined functions.
(2) Explain window object with its different types.

OR

- (b) Answer the following :
(1) What is DOM ? List its various levels.
(2) Explain the use of Alert, Prompt and confirm box with example.

3. (a) Answer the following : **8**
(1) Explain XML structure in detail.
(2) What are the different elements used to create well formed document ?

OR

- (a) Answer the following :
(1) Write a note on the concept of mark up.
(2) Explain the role of XPath in XML with example.

- (b) Answer the following : **6**
(1) Differentiate between XML and HTML.
(2) What do you understand by XML Namespaces ?

OR

- (b) Answer the following :
(1) What are comments in XML ? Explain with example.
(2) Explain XPointer with example.

4. (a) Answer the following : **8**
(1) What do you understand by DTD ? Explain its types with examples.
(2) How are derived types declared in Schema ? Explain Union and Lists.

OR

- (a) Answer the following :
(1) Explain the limitations of DTD.
(2) Make the pattern for the following :
Define an element called “password” with a restriction. There must be exactly eight characters in a row and those characters must be lowercase or uppercase letters from a to z, or a number from 0 to 9.

- (b) Answer the following : **6**
(1) How is restriction used along with facets to derive new data types.
(2) Define and explain the term content model reuse.

OR

(b) Answer the following :

- (1) How can XSLT transform XML into HTML ?
- (2) Discuss the idea of template.

5. Do as Directed :

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- (1) An external style sheet is ideal with the style is applied to many _____.
 - (2) CSS list property has two types _____ and _____ list.
 - (3) DHTML is used to create dynamic and interactive web pages. (T/F)
 - (4) Style sheet is used in web page with in _____ and _____ tags.
 - (5) The id selector is not used to specify a style for single, unique element. (T/F)
 - (6) Define Rule.
 - (7) The default value of both minOccurs and maxOccurs is _____.
 - (8) Choices can be specified by using the _____ character.
 - (9) Internal DTD is also known as _____ and External DTD is also known as _____.
 - (10) Define Facets with example.
 - (11) A schema is an alternative to DTD. (T/F)
 - (12) A _____ file allows us to specify the rules associated with an XML file.
 - (13) Xpath is used to refer to specific portions of an XML document using XSLT and XPointer. (T/F)
 - (14) By default, the standalone attribute is considered to contain the value no. (T/F)
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