

S0133 / S2008 / SKILL ENHANCEMENT: WEB PROGRAMMING

Q.P. Code: 22588

(2½ Hours)

[Total Marks: 75]

N.B. 1) All questions are compulsory.

2) Figures to the right indicate marks.

3) Illustrations, in-depth answers and diagrams will be appreciated.

4) Mixing of sub-questions is not allowed.

Q. 1 Attempt All(Each of 5Marks)
(15M)

(a) Multiple Choice Questions

i. HTML web pages can be read and rendered by :-

- A. Server B. Web browser C. Interpreter
D. Client

ii. If the image cannot be displayed then _____ specifies an alternate text for an image.

- A. text attribute B. caption attribute C. value attribute
D. alt attribute

iii. In JavaScript, to check if “a” is not equal to “null”

- A. if(a!=null) B. if(a!null) C. if(a!==null)
D. if(a!!null)

iv. Ajax made popular by?

- A. Google B. IBM C. Microsoft D. Sun
Microsystem

v. Which of the following are correct ways of creating an array in PHP

i) `city[0] = "mumbai"` ii) `$city[] = array("mumbai")`

iii) `$city[0] = "mumbai"` iv) `$city = array("mumbai");`

A. iii) and iv) B. ii) and iii) C. Only i)

D. Only ii)

(5M)

(b) Fill in the blanks

(.css, `<td leftalign>`, `indexOf`, `www`, `!` (Exclamation), `.cas`, `<td align = "left">`,
`valueOf`, `$(Dollar)`, `HTTP`)

i. External Style Sheets are stored in file with extension

.

ii. _____ HTML tag to left-align the content of a cell.

iii. _____ Method returns the index within the calling String object of the first occurrence of the specified value in JavaScript.

iv. _____ Server supports AJAX.

v. In PHP, language variable starts with _____ .

(5M)

(c) Write Answers in two lines.

i) What is difference between ordered list and unordered list?

ii) What do you mean by CSS?

iii) getDate() and getDay() functions in JavaScript

iv) What is XML Element?

v) Give the purpose of two event methods in jQuery.

(5M)

Q. 2 Attempt the following (Any THREE)(Each of 5Marks)
(15M)

(a) Explain any five text formatting tags in HTML5.

(b) How to create links in HTML5? Explain its tags with an example.

(c) Define image map? Explain tag with four attributes.

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(d) Explain following CSS background properties with an example:-

i. background-repeat

ii. background-position

iii. background-color

(e) Define Style sheet. What is the purpose of following CSS Text style properties in HTML5?

i. text-align

ii. text-transform

iii. text-decoration

iv. color

(f) Give the complete form code for following in HTML5:-

HTML Login Page

Username

Password:

R e s e t L o g i n

Q. 3 Attempt the following (Any THREE) (Each of 5Marks)
(15M)

(a) What is the use of Math object in JavaScript? Explain its four methods with example.

(b) Explain with an example the purpose of following popup boxes:-

i. alert

ii. confirm

iii. prompt

(c) Define DTD and its use. How to create Internal DTD in XML? Give example.

(d) What is XML? Discuss its any four features.

(e) Describe Document Object Model with diagram.

(f) Write a JavaScript code to input a number from user into variable n, display table of factorials up to n.

Q. 4 Attempt the following (Any THREE) (Each of 5Marks)
(15M)

(a) What is XMLHttpRequest object? Explain the following properties of XMLHttpRequest object:-

- i. onreadystatechange
- ii. readyState
- iii. responseText
- iv. status

(b) What is a PHP session? How to start, get, modify and destroy a PHP session?
Give example.

(c) Define jQuery. Give its any three features and basic syntax with an example.

(d) How does AJAX handle asynchronous data transfer?

(e) Which are the methods for creating animation effects in jQuery?
Explain any two methods with example.

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(f) Write a PHP code to check number entered through HTML page is positive, negative or equal to zero. Display appropriate message.

Q. 5 Attempt the following (Any THREE) (Each of 5Marks)
(15M)

(a) Explain the following table tags in HTML5 with example:-

- i. <table>
- ii. <tr>
- iii. <th>
- iv. <td>
- v. <table align="right">

(b) What is the use of the following CSS selectors? Explain with example:-

- i. .class
- ii. #id

(c) What is the purpose of Window object in JavaScript? Explain its any two properties and methods with code snippet.

(d) Diagrammatically explain AJAX Web Application Model.

(e) Write a PHP code to create an array of five student names and display its values using foreach loop.