

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****(5M)****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 Microsystems

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)

(b) Fill in the blanks**(5M)**

(.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_____.

(c) Write Answers in two lines.**(5M)**

- 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.

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:-
- background-repeat
 - background-position
 - background-color
- (e) Define Style sheet. What is the purpose of following CSS Text style properties in HTML5?
- text-align
 - text-transform
 - text-decoration
 - color
- (f) Give the complete form code for following in HTML5:-

HTML Login Page

Username:

Password:

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:-
- alert
 - confirm
 - 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:-
- onreadystatechange
 - readyState
 - responseText
 - 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:-
- `<table>`
 - `<tr>`
 - `<th>`
 - `<td>`
 - `<table align="right">`
- (b) What is the use of the following CSS selectors? Explain with example:-
- `.class`
 - `#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.