

(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. The tag used to create a client side image map

A.<MAP> B.<USEMAP> C.<LINK> D. None of these

ii. In JavaScript, “return ” and “case ” are

A. Keywords B. Data-types C. Prototypes D. Declaration statements

iii. Which of the following sets what kind of line decorations are added to an element, such as underlines, overlines, etc?

A. text-style B. text-decoration C. text-line D.  
text-decoration-line

vi. The global object constructor for strings or a sequence of characters.

A. String B. RegExpCals C. RegExp D. StringExp

v. What will be the output of the following PHP code?

```
<?php
```

```
$a = 10;
```

`$b = 10;`

`$c = 10;`

`echo ($a === $b and $a == $b);`

- A. `?>True`                      B. Error                      C. False  
D.1

(5M)

(b)            Fill in the blanks

( `$(Dollar)`, object-based, verify, Javascript and Java, opening new document, objective, transport, Javascript and XML, `_self`, client side, exponentiation, Asynchronous JavaScript and XML)

(5M)

- i.            JavaScript is often used for
- ii.           In PHP language variable starts with validation.
- .
- iii.           In PHP script operator `**` indicates .
- iv.           AJAX stands for .
- v.           Target attribute            is used to display response in same frame.

(c)           Write Answers in two lines.

- i. What is the role of CSS selector?
- ii. Explain <select> tag
- iii. PHP session
- iv. State any two functions from the JavaScript Math object.
- v. Table tag in HTML

(5M)

55108

Page 1 of 3

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

- (a) Explain any five text formatting tags in HTML5.
- (b) What is Stylesheet? List its types. Explain any ONE with an example.
- (c) Explain the following tags in HTML5 with an example:-
  - i. <img>
  - ii. <link>
  - iii. <div>
  - iv. <span>
  - v. <title>
- (d) Which are the CSS properties to work with background of a Page in HTML?

Give its purpose with an example.

(e) Write HTML code to generate a form accepting the user last name (textfield), contact number(textfield), gender (radiobutton), hobbies (checkbox), country (dropdown) and buttons for resetting and submitting the form.

(f) Write an HTML and CSS code for the following:-

Average Marks      Aggregated

Male  
students  
Female  
students

Theory  
70

80

Practical  
78

81

Average  
Marks

74%

82.5%

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

(a)      Explain the following with valid example:

i.      alert()      ii) prompt()

- (b) What is the purpose of Location browser objects in JavaScript? Explain its three properties.
- (c) Write a short note on XML DTD.
- (d) Explain the following elements w.r.t XSLT with an example:
- i. `xsl: attribute`
  - ii. `xsl:value-of`
  - iii. `xsl: attribute-set`
- (e) Describe Document Object Model with diagram.
- (f) Write a JavaScript code to read a number from a text filed and check if it is Armstrong Number or not (Assume the input to be always three digit number).

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

- (a) Explain any two functions used for animation in jQuery.
- (b) Write a PHP code to check given number is positive, negative or Zero. The number is to be accepted from HTML form.

55108

Page 2 of 3

- (c) Explain the following jQuery traversing methods:-
- i. `filter()`
  - ii. `end()`

iii. contents()

iv. find()

v. first()

(d) What is the purpose of XMLHttpRequest object in AJAX? How to open it in AJAX? Explain.

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

(f) Explain the following functions w.r.t database handling in PHP:-

i. mysql\_connect()

ii. mysql\_tablename()

iii. mysql\_ping()

iv. mysql\_list\_fields()

v. mysql\_drop\_db()

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

(a) Write a code using PHP and HTML to accept department id from user and display department name and address in a table.

[Table: Department {Deptid number (3), Deptname varchar (20), Deptaddress varchar2 (10)}].

(b) Diagrammatically explain AJAX Web Application Model.

(c) How does AJAX handle asynchronous data transfer?

(d) What is the purpose of following CSS properties?

i. text-align

ii. font-style

iii. border

iv. font-size

v. display

(e) Explain any five PHP Comparison Operators.

\*\*\*\*\*

55108

Page 3 of 3

munnnotes.in