

(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. **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. RegExpCalss 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

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

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

- i. JavaScript is often used for _____ validation.
 ii. In PHP language variable starts with _____.
 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.**(5M)**

- 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

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.
 - ii. <link>
 - iii. <div>
 - iv.
 - 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 Average Marks
	Theory	Practical	
Male students	70	78	74%
Female students	80	81	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.

- (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.
