

(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 hypertext relationship between current document and another URL is

- A.<INDEX> B.<A> C.<LINK> D. None of these

ii. The "var" and "function" 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 JavaScript class represents regular expressions.

- A. RegExpObj B. RegExpCalss C. RegExp D.StringExp

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

```
<?php
$a = 5;
$b = 5;
echo ($a === $b);
?>
```

- A. 5 === 5 B. Error C. False D.1

(b) Fill in the blanks (5M)

(Selecting previous document, object-based, verify,<?php>,Javascript and Java, opening new document, objective, transport,< ?php ?>, Javascript and XML)

- i. Target attribute is used for _____
 ii. JavaScript is _____ language.
 iii. XML is designed to _____ and store data.
 iv. A PHP script should start with _____ and end with _____
 v. AJAX based on _____ technology.

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

- i. href attribute
 ii. <script> tag
 iii. PHP session
 iv. Animation in jQuery
 v. DTD in XML

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

- (a) Write a note on Image Maps.
- (b) What is Stylesheet? List its types. Explain any ONE with an example.
- (c) Explain the following tags in HTML5 with an example:-
- `<form>`
 - `<input>`
 - action attribute
 - target attribute
 - method attribute
- (d) Which are the CSS properties to work with background of a Page in HTML? Give its purpose with an example.
- (e) How to insert multimedia file on the web page in HTML? Explain any one. (Audio OR Video)
- (f) Write an HTML code for the following:-

	Average		Red Eyes
	Height	Weight	
Males	1.9	0.003	50%
Females	1.7	0.002	45%

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

- (a) Which are three types of popup boxes in JavaScript? Explain with syntax and examples.
- (b) What is the purpose of History and Location browser objects in JavaScript? Explain its any two methods.
- (c) Give the structure of an XML Document. Explain it with an example.
- (d) Explain the following elements w.r.t XSLT with an example:
- `xsl: attribute`
 - `xsl:value-of`
 - `xsl: attribute-set`
- (e) Write a note on Date object and it's any four methods with an example in JavaScript.
- (f) Write a JavaScript code to enter grade from user between 'A' TO 'F', display appropriate message. (Use switch-case statement)

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

- (a) Diagrammatically explain AJAX Web Application Model.
- (b) How do you declare arrays in PHP? Explain with the help of an example.
- (c) Explain any five jQuery traversing methods with examples.
- (d) What is the purpose of XMLHttpRequest object in AJAX? How to open it in AJAX? Explain.

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- (e) Write a jQuery code to hide the text of lines in paragraph on the double click event in an html file.
- (f) Explain the following functions w.r.t database handling in PHP:-
 - i. `mysql_connect()`
 - ii. `mysql_select_db()`
 - iii. `mysql_query()`
 - iv. `mysql_fetch_array()`
 - v. `mysql_close()`

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

- (a) Explain any five text formatting tags in HTML with example.
- (b) Discuss Document Object Model.
- (c) How does AJAX handle asynchronous data transfer?
- (d) What is the purpose of following CSS properties to work with Fonts? Give example.
 - i. `font-family`
 - ii. `font-style`
 - iii. `font-size`
- (e) List types of PHP operators. Explain any two.