

(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.<ISINDEX> 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 `RegExp` 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

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

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

- Which are three types of popup boxes in JavaScript? Explain with syntax and examples.
- What is the purpose of History and Location browser objects in JavaScript? Explain its any two methods.
- Give the structure of an XML Document. Explain it with an example.
- Explain the following elements w.r.t XSLT with an example:
 - xsl:attribute
 - xsl:value-of
 - xsl:attribute-set
- Write a note on Date object and its any four methods with an example in JavaScript.
- 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)

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

- (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:-
- mysql_connect()
 - mysql_select_db()
 - mysql_query()
 - mysql_fetch_array()
 - 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.
- font-family
 - font-style
 - font-size
- (e) List types of PHP operators. Explain any two.