

(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. RegExpCals 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:-
- 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.