

- 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 5 Marks)**(15M)****A. Multiple Choice Questions**

- (i) HTML web pages can be read and rendered by :-
A. Server B. Web browser C. Interpreter D. Client
- (ii) The "var" and "function" are
A. Keywords B. Data-types C. Prototypes D. Declaration statements
- (iii) In Java Script, to check if "a" is not equal to "null"
A. if(a!=null) B. if(a!null) C. if(a!=null) D. if(a!! null)
- (iv) AJAX made popular by?
A. Google, B. IBM, C. Microsoft, D. Sun Microsystems
- (v) What will be the output of the following PHP code?

```
<?php
$a=2
$b=2
echo($a == $b);
```


A. 2 == 2, B. Error, C. False, D. 1

B. Fill in the blanks.**(\$ (Dollar), .css, object based, HTTP, share)**

- (i) External Style Sheets are stored in file with extension
- (ii) Java Script is language.
- (iii) XML is used to and store data.
- (iv) Server supports AJAX.
- (v) In PHP Language variable starts with

C. Answer in one-two lines

- (i) Write the use of <A>tag.
- (ii) What do you mean by CSS?
- (iii) What PHP Session?
- (iv) What is XML Element?
- (v) What is DTD?

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

- A. Write a note on Image Maps.
- B. How to create links in HTML5? Explain its tags with an example.
- C. Differentiate between i) Checkbox and Radio button, ii) TextArea and Textfield.
- D. Which are the CSS properties to work with background of a Page in HTML? Explain its purpose with an example.
- E. Define Style Sheet. What is the purpose of following CSS Text style properties in HTML5? Describe properties i) text-align ii) text-transform iii) text-decoration iv) color
- F. Write HTML code for following design

Students	Average	
	Height	Weight
Girls	5.5	60
Boys	5.9	70

(15 M)

Q.3 Attempt the following (ANY THREE) (Each of 5 Marks)

- What is the use of Math Object in JavaScript? Explain its four methods with example
- What is the purpose of History and Location browser objects in Java Script? Explain its two methods.
- Define DTD with its use. How to create Internal DTD in XML? Explain with an example
- What is XML? Discuss its any four features.
- Write a Java Script Code to enter character from user and check entered character is Vowel or not and display appropriate message.
- Explain how to create Table in HTML with one example.

Q.4 Attempt the following (ANY THREE) (Each of 5 Marks)

(15M)

- What is PHP session? How to start, get, modify and destroy a PHP session? Give Example
- How does AJAX handle asynchronous data transfer?
- Explain any five jQuery traversing methods with examples.
- Define jQuery. Give its any three features and basic syntax with an example.
- How AJAX does handles asynchronous data transfer?
- Write a PHP code to check number entered through HTML page is Odd or Even. Display appropriate message

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

(15M)

- Explain following table tags in HTML5 with one example. i)<table>, ii)<tr>, iii)<th>, iv)<td>,v)<table align= "left">
- Discuss Document Object Model.
- What is the use of Window object in JavaScript? Explain its any 2 properties and methods
- What is the purpose of following CSS properties to work with Fonts? Give example. i)font-family ii)font-style, iii) font-weight.
- Write a PHP code to create an array of five student names and display its values using foreach loop