**SESSION FEB/MAR 2022**

**PROGRAM MCA**

**SEMESTER II**

**COURSE CODE & NAME DCA6203 – WEB TECHNOLOGIES**

**Set – 1**

**1. a. What is an IP address? What are its types? Explain.**

**Ans:** IP address stands for internet protocol address; it is an identifying number that is associated with a specific computer or computer network. When connected to the internet, the IP address allows the computers to send and receive information.

**IP Address Types:**

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There are 4 types of IP Addresses- Public, Private, Fixed, and Dynamic. Among them, public and private

**2. a. What is cascading style sheet (CSS)? How can you insert CSS in HTML Page?**

**Ans:** Cascading Style Sheets (CSS) is a style sheet language used to describe the presentation semantics (the look and formatting) of a document written in a markup language. Its most common application is to style web pages written in HTML and XHTML. Basically Style sheets describe how documents are presented on screens. When a browser reads a style sheet, it will format the document according to it.

**Insert CSS in HTML**

**3. a. Explain characteristics of JavaScript.**

**Ans:** JavaScript characteristics Before we start writing in JavaScript, we should understand some of the features of this language.

**a) JavaScript is a scripting language** A scripting language is a simple programming language designed to enable computer users to write useful programs easily. Scripting languages, including Perl, Tcl and REXX, are interpreted, meaning that they are not compiled to any particular machine or operating

**b. What is event handling? How can you add an onclick event in HTML page?**

**Ans:** Events are represented by an event object as a member variable of the window object, such as window. Event handlers are Javascript code that are not include inside the <script> tags, but rather, inside the html tags, that execute Javascript when some events fire, such as pressing a button, moving your

**Assignment Set – 2**

**4. a. What is XMLHttpRequest object? Explain with an example.**

**Ans:** HTTPrequests is an API which can be used by web scripting languages like JavaScript, vbscript, etc. HTTPrequests provides a mechanism for transferring the data either in text or XML format between web client and the web server.

In a normal web

**b. What are PHP variables? How you declare them? What are the naming conventions for PHP variables?**

**Ans:** A variable is a means of storing a value, such as text string "Manipal Universal Learning”. A variable can then be reused throughout our code, instead of having to type out the actual value over and over again. In PHP

**5. a. How can you load XML Data into an HTML Page? Explain with example.**

**Ans:** Loading XML Data into an HTML Page The process of fetching data from an XML files to be filled in an HTML table, using DSO (Data Source Object) and JavaScript. DSO is an object that

**b. What is a recordset object? Explain with example.**

**Ans:** The ADO Recordset object is used to hold a set of records from a database table. A Record set object consist of records and columns (fields). In ADO, this object is the most important and the one used most often to

**6. a. Explain comparison operators used in PHP.**

**Ans:** In all programming languages, operators are used to manipulate or perform operations on variables and values. There are many operators used in PHP, so we have separated them into the following categories

**b. Write a program in ASP to calculate factorial of a given number using while loop?**

**Ans:** Here is the entire code (Classic ASP Factorial Program):

<html>

<body>

<title>Factorial Program