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| **SESSION** | **FEB 2024** |
| **PROGRAM** | **BCA** |
| **SEMESTER** | **V** |
| **course CODE & NAME** | **DCA3101 & Web Design** |
| **CREDITS** | **4** |
| **nUMBER OF ASSIGNMENTS & Marks** | **02****30** |

**Set-I**

**1. a) Define the Internet and Describe most used Internet connection types.**

**Ans:**There is no single definition that holds good, but certain definitions are generally agreed upon because the Internet is a different thing to different people. We can give the following few expressions in this context.

• Internet links are computer networks all over the world so that users can share resources and communicate with each other.

• It is the name for a vast, worldwide system consisting of people, information, and computers.

• It is a network of networks that spans the globe.

• It is an ocean of

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**2. What do you mean by networking protocols and what are the widely used internet protocols?**

**Ans: Networking Protocols:** Networking protocols are standardized rules and conventions that define how data is transmitted, received, and processed in a network. These protocols ensure that devices from different manufacturers can communicate and understand each other. Protocols exist at various layers of the OSI (Open Systems Interconnection) model, which conceptualizes network communication into seven layers.

**Here are some of the key layers and associated protocols:**

**3. a) Could you elaborate on the concept of hypertext links as utilized in HTML?**

**Ans:**Hypertext links, often referred to simply as links, are a fundamental feature of HTML (Hypertext Markup Language) used to create connections between different web pages and resources on the internet. Links allow users to navigate between pages, access additional information, and interact with various elements within a webpage. The primary HTML element used to create links is the <a> (anchor) element.

**Here's an overview of how**

**Set-II**

**4. What are the distinctions between HTML and DHTML? And explain disadvantage of DHTML.**

**Ans:**HTML (Hypertext Markup Language) and DHTML (Dynamic HTML) are related technologies used in web development, but they serve different purposes and have distinct characteristics.

**HTML (Hypertext Markup Language):**

HTML is the standard markup language used to create the structure of web pages. It defines the basic elements of a

**5. Describe the various types of operators employed in PHP, providing an example for each?**

**Ans:**In PHP, operators are used to perform operations on variables and values.

**Here are some of the main types of operators in PHP, along with examples:**

**Arithmetic Operators:** Used for basic arithmetic operations like addition, subtraction, multiplication, division,

**6. What does the term "function" refer to in JavaScript? How many methods are available for invoking a function in JavaScript?**

**Ans:**

In JavaScript, a function is a block of reusable code designed to perform a specific task or to calculate a value. Functions allow you to encapsulate a piece of code, give it a name, and then call that code by referring to its name. Functions can take parameters (inputs), perform operations, and return a result.

**Here's a basic example of a function in JavaScript:**

Functiongreet (name) {

Return "Hello, " +