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| **SESSION** | **AUGUST 2023** |
| **PROGRAM** | **BCA** |
| **SEMESTER** | **V** |
| **COURSE CODE & NAME** | **DCA3101 Web Design** |
| **CREDITS** | **4** |
| **NUMBER OF ASSIGNMENTS &****MARKS** | **02 & 30 Marks each** |

**SET-I**

**1a. Brief the role of search engine and plug-ins.**

**Ans 1a.**

**Role of Search Engines and Plug-ins**

A search engine is a software system designed to search for information on the World Wide Web. Its primary function is to index vast amounts of web pages and retrieve relevant results based on user queries. Search engines use complex algorithms to rank pages based on factors like keyword density, links, and site structure. They play a pivotal role in making information accessible and

**1b. What is markup language and briefly explain any two popular markup languages.**

**Ans 1b.**

**Markup Language and Two Popular Markup Languages**

A markup language is a system for annotating a document in a way that is syntactically distinguishable from the text. It provides a method to describe both the structure and presentation of text, making it possible to display the document on various devices and platforms.

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**2. State the functions of DNS and protocol used. Explain the way in which a DNS server resolves the address ?**

**Ans 2.**

**Functions of DNS (Domain Name System):**

**Domain Name Resolution**: The primary function of DNS is to translate human-friendly domain names, like "[www.example.com](http://www.example.com/)", into IP addresses, such as "192.0.2.1", which are used by computers to identify each other on

**3a. How would you insert an image file named elephant.jpg at the very top of a web page ? Write Code in HTML**

**Ans 3a.**

To insert an image file named "elephant.jpg" at the very top of a web page, you would use the **<img>** HTML tag. The **src** attribute of the **<img>** tag specifies the path to the image file. Here's how you can do it:

<!DOCTYPE

**3b. What is the difference between the external style sheet and embedded style sheet ?**

**Ans 3b.**

**External Style Sheet:**

1. Definition: An external style sheet is a separate file linked to an HTML document. It has a .css extension.
2. Linking: It's linked to an HTML document using the <link> tag within the <head> section.
3. Usage:

**SET-II**

**4a. Differentiate between get request type and post request type.**

**Ans 4a.**

**Differentiate between GET Request Type and POST Request Type**

HTTP (Hypertext Transfer Protocol) is the foundation of data communication on the internet. Among its various request methods, GET and POST are the most commonly used. Here's a differentiation between

**4b. How can you create JDBC statements ?**

**Ans 4b.**

Java Database Connectivity (JDBC) is a Java-based API that allows Java applications to interact with databases. Here's how you can create JDBC statements:

**1.**

**5. Explain the PHP Class with an example program? And explain the special features of PHP? 10**

**Ans 5.**

**Let's dive into PHP classes and the special features of PHP.**

**PHP Class**

In PHP, a class is a blueprint for creating objects. Objects have properties and methods. A property is like a variable, and a method is like a function associated with the class.

**6a. Explain how to display information in paragraph form and explain different text tags available in XHTML?**

**Ans 6a.**

In XHTML, information is primarily displayed in paragraph form using the **<p>** tag. The **<p>** tag defines a paragraph, and any content placed between the opening **<p>** and closing **</p>** tags will be displayed as

**6B. Describe following concepts :a) Linking to e-mail address b) Linking to specific part of page**

**Ans 6b.**

a) **Linking to an e-mail address**: In XHTML, you can create a clickable link that opens the user's email program with a specific email address pre-filled using the "mailto:" scheme. This is achieved using the anchor (**<a>**) tag.

xhtmlCopy code