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| **SESSION** | **MAY 2023** |
| **PROGRAM** | **MCA** |
| **SEMESTER** | **II** |
| **course CODE & NAME** | **DCA6203 – Web Technologies** |
| **CREDITS** | **4** |

**Assignment Set – 1**

**1. A. Define TCP and IP communication through suitable diagram?**

**Ans: The TCP** corresponds to the transport layer of OSI reference model, The TCP is known as a connection-oriented protocol, which means that a connection is established and maintained until such time as the message or messages to be exchanged by the application programs at each end have been exchanged. TCP makes sure data gets to the destination without errors. It is also responsible for disassembling and assembling the data. It divides

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**2. A. What is DHTML? What are the advantages of DHTML?**

**Ans: DHTML (Dynamic HTML)** is a combination of technologies—HTML (Hypertext Mark-up Language), CSS (Cascading Style Sheets), and JavaScript—that allows for the creation of dynamic and interactive web content.

**DHTML** enables developers to manipulate and modify various elements of a web page in real-time, providing a more engaging user experience.

**3. A. Explain about XPointer in detail.**

**Ans: XPointer** is a component of the XML Linking Language (XLink) and XML Path Language (XPath) specifications. It provides a way to address specific parts or fragments of an XML document using a combination of element names, attribute values, and other location-based expressions. XPointer allows you to create references to specific portions of an XML document, enabling more precise linking and addressing within XML-based

**Assignment Set – 2**

**4. A. How does AJAX work? Explain with example.**

**Ans: AJAX** (Asynchronous JavaScript and XML) is a technique used to build interactive web applications that can exchange data with a server asynchronously without requiring a full page reload. It enables seamless updates and dynamic content on web pages by making asynchronous requests to the server and updating the page content in real-time.

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

**Ans:** To load XML data into an HTML page, you can use JavaScript along with the XMLHttpRequest object or the newer Fetch API.

**Here's an example that demonstrates how to load XML data and display it in an HTML page:**

<!DOCTYPE html>

**6. A. How can we add parameters and return values in PHP functions?**

**Ans:** In PHP, you can add parameters and return values to functions to make them more versatile and reusable.

**Here's how you can add parameters and return values in PHP functions:**

**Adding Parameters:** Parameters allow you to pass values to a function so that it can perform