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| **SESSION** | **MARCH 2024** |
| **PROGRAM** | **BACHELOROF COMPUTER APPLICATIONS (BCA)** |
| **SEMESTER** | **V** |
| **COURSE CODE & NAME** | **DCA3101 - WEB DESIGN** |
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**Set-I**

**1. What does the internet mean, and what are its advantages and disadvantages?**

**Ans 1.**

**Internet Mean**

The internet is a huge network that connects billions of computers worldwide and facilitates the transfer of information and data. Its roots go back to the 1960s and the creation of ARPANET which was commissioned by the U.S. Department of Defense. The internet utilizes a standard communication protocol known as TCP/IP (Transmission Control Protocol/Internet Protocol) to ensure that different systems are able to communicate effectively.

**Benefits from the Internet**

* **Accessibility of information:** The internet is an incredible source of information that

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**2. Define the term DNS and Explain the types of domains.**

**Ans 2.**

**Definition of DNS**

DNS is the abbreviation for Domain Name System, which is a decentralized and hierarchical name system that is used by computers services, as well as any other web-connected resource as well as a private networks. The main function for DNS is to convert the human friendly domain name (like [www.example.com](http://www.example.com)) into IP addresses (like 192.0.2.1) which computers use to distinguish each others on the network. This is crucial since humans find it simpler to recall

**3. What is a Search Engine? Define the components of search engine and it’s working.**

**Ans 3.**

**Search Engine**

A search engine is a computer device designed to perform web-based searches. This means it continuously searches the internet for the specific information requested by the person who is using it. The search engine provides a listing of results (also called SERPs or search engine results pages). SERPs) that are relevant to the query. The most common search engines are Google, Bing, and Yahoo.

**Components of the Search Engine**

**Web Crawler (Spider or Bot):** A web crawler is a script that surfs the internet to gather

**Set-II**

**4. Explain the Image Attributes with examples.**

**Ans 4.**

**Image Attributes Explained with Examples**

Image attributes are the characteristics or characteristics that define and define the image. These attributes are crucial for understanding the quality, content, and the usability of images in different contexts, including photography, web design, as well as digital media. The most important attributes of images are dimensions, resolution of the file, format, color depth

**5. What are the differences between HTML and DHTML?**

**Ans 5.**

**Differences Between HTML and DHTML**

HTML (Hypertext Markup Language) and DHTML (Dynamic Hypertext Markup Language) are two essential techniques used in web development, however they have different uses and possess distinct features. Knowing the differences between them is essential for web developers and designers to design effective and engaging websites.

**1. Nature and Definition:**

* **HTML:** HTML can be described as a standard markup language that is used to design

**6. Define the CSS Properties in details.**

**Ans 6.**

**Detailed Definition of CSS Properties**

CSS (Cascading Style Sheets) properties are used to regulate the layout and presentation on web sites. They determine the way HTML elements are displayed on paper, screen, or in other forms of media. CSS property covers a broad variety of styling elements that include fonts, colors spacing, positioning and responsiveness. Knowing these properties is crucial to create visually pleasing and user-friendly web designs.

**Colour and Background Property:** These properties regulate the background and color