**1)what is web-browser?**

**Ans**- The web browser is an application software to explore www (world wide web. It provides an interface between the server and the client and it requests to the server for web documents and services. It works as a compiler to render HTML which is used to design a webpage. Whenever we search for anything on the internet, the browser loads a web page written in HTML, including text, links, images, and other items such as style sheets and JavaScript functions.

**For example**-google chrome , Microsoft edge, mozilla firefox, safari etc

**2)what is CSS?**

**Ans -Cascading Style Sheets** (**CSS**) is a  language used to describe the presentation of a document written in HTML or XML . CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

**3)what is Github?**

**Ans** -**GitHub** is a web-based platform that hosts Git repositories, providing developers with tools for version control and collaboration. Whether you are working on a small personal project or a large enterprise application, GitHub can streamline your workflow and enhance productivity.

Some features of github are- resporetries,pull request ,branching, issues and action.

**4)what is HTML?**

**Ans** HTML stands for hypertext markup language it is the foundational language used to create web pages. It provides the structure and content of a webpage, allowing browsers to render and display text, images, and other media in a user-friendly format.

**5)what is website?**

**ANS** -A **website** is a collection of web pages that share a single domain name.website can be created and maintained by individuals, groups, businesses, or organizations to serve various purposes, such as:

* Sharing information
* Selling products
* Providing informations etc
* A website can be accessed through various web browsers like google cghrome, edge,moziila firefox etc.

**6)what is SEO?**

**Ans**- SEO (search engine optimization) is the practice of optimizing the performance of a website by changing its structure and content to increase its visibility and web traffic. It helps in improving the quality of your website and increases the viewer-to-customer conversion rate.  
It is a crucial aspect of digital marketing that focuses on enhancing the visibility and ranking of a website in search engine results pages (SERPs). The primary goal of SEO is to drive organic (non-paid) traffic to a website by improving its relevance and authority in the eyes of search engines.

**7)what is URL?**

**Ans**-- A URL (uniform resource locator) it’s a type of uniform resource identifier (URI) that provides a way to access information from remote computers, like a web server and cloud storage.

-URLs play a vital role in web navigation and online communication by providing a structured way to locate and access various web resources and hyperlinks.

-It contains various elements, including the network communication protocol, a subdomain, a domain name, and its extension.

-two types of URL are ,

**ABSOLUTE URL**

- This type of URL contains both the domain name and directory/page path. An absolute URL gives complete location information. It begins with a protocol like “http://” and continues, including every detail. An absolute URL typically comes with the following syntax.

protocol://domain/path.

**RELATIVE URL**

- This type of URL contains the path excluding the domain name. Relative means “in relation to”, and a relative URL tells a URL location on terms of the current location. Relative path is used for reference to a given link of a file that exist within the same domain.

<img src="tops.jpg">

**8)what is client server architecture ?**

**Ans-** The Client-server model is a distributed application structure that partitions tasks or workloads between the providers of a resource or service, called servers, and service requesters called clients. In the client-server architecture, when the client computer sends a request for data to the server through the internet, the server accepts the requested process and delivers the data packets requested back to the client. Clients do not share any of their resources. Examples of the Client-Server Model are Email, World Wide Web, etc.

**9)what is WWW?**

**Ans**-WWW stands for world wide web. it is a system of interconnected webpages and information that you can access using the Internet. It was created to help people share and find information easily, using links that connect different pages together. The Web allows us to browse websites, watch videos, shop online, and connect with others around the world through our computers and phones.

**10)what is w3c?**

**Ans-** The W3C (World Wide Web Consortium) is an international organization that creates standards for the world wide web. The WC3 is committed to improving the web by setting and promoting web-based standards.

**11)what is protocol?**

**Ans-** A protocol is a set of rules that determines how data is sent and received over a network. The protocol is just like a language that computers use to talk to each other, ensuring they understand and can respond to each other’s messages correctly. Protocols help make sure that data moves smoothly and securely between devices on a network.

**12)what is web server?**

**Ans-** A web server is a software application or hardware device that stores, processes, and serves web content to users over the internet. It plays a critical role in the client-server model of the World Wide Web, where clients (typically web browsers) request web pages and resources, and servers respond to these requests by delivering the requested content.

-Web servers operate on the Hypertext Transfer Protocol (HTTP), which is the foundation of data communication on the World Wide Web. When you enter a website’s URL into your browser, it sends an HTTP request to the web server hosting that website, which then sends back the web page you requested, allowing you to view it in your browser.