

Short Answer Question

1. What are difference between web hosting and web domain ?

Ans:

Web hosting	Web Domain
Provides storage space for website files, data, and content	Represents the unique address or URL of a website
Allows users to access the website and its content	Helps users find and reach the website easily
Cost depends on factors like storage space, bandwidth, and additional services	Cost depends on the domain registrar and the chosen domain extension
Enables website functionality and data storage	Directs users to the website's location on the internet
Involves uploading website files and managing server settings	Involves domain registration, DNS management, and domain settings

2. What are the main difference between search engine and web browser? Explain.

Ans:

	Search engine	Web Browser
Purpose	Allows users to search and retrieve information from the internet	Provides access to websites and online content
Function	Indexes web pages and provides search results based on user queries	Interprets and displays web content, enabling website navigation
Examples	Google, Bing, Yahoo, DuckDuckGo	Google Chrome, Mozilla Firefox, Safari, Microsoft Edge, Opera
Features	Image search, news search, video search, advanced search options	Tabbed browsing, bookmarks, history, privacy settings, extensions
User Interaction	Users enter search queries to retrieve relevant web pages	Users click on links, enter URLs, and interact with web-based applications

3. What are the application of WWW?

Ans: The World Wide Web (WWW) is a global network of interconnected websites and webpages that allows users to access and retrieve information from the internet. It serves as a platform for communication,

information sharing, e-commerce, online banking, education, entertainment, and various other applications. With the WWW, users can connect with others, explore vast amounts of information, conduct online transactions, access educational resources, stream media content, collaborate on projects, and benefit from numerous online services. It has revolutionized the way we communicate, access information, and engage with the digital world.

4. What are the uses of search engine?

Ans:The uses of search engine are:

- Finding information
- Shopping
- Marketing
- Navigation
- Entertainment
- Research
- Social media
- News
- Travel
- Local search

5. Explain in brief about history of internet.

Ans: The internet's history began in the 1960s with the development of computer networks. ARPANET, the first widely used network, was launched in 1969. In the 1990s, the World Wide Web was introduced to the public, leading to the commercialization of the internet. Major milestones include the development of email, the establishment of the Domain Name System (DNS), and the launch of popular websites like Google, eBay, and Facebook. Today, the internet has become a global platform for communication, information sharing, commerce, and entertainment.

6. Explain in brief about web protocol.

Ans: A web protocol refers to the set of rules and procedure that govern the communication between web servers and clients. Protocols are used to enable communication and data transfer between devices connected to the Internet. Web protocols are essential to the functioning of the internet and enable users to access and share information online. They ensure that data is transmitted efficiently, securely, and reliably.

Different types protocols are:

- Gopher
- TCP/IP (Transmission Control Protocol / Internet Protocol)
- UDP (User Datagram Protocol)
- HTTP/HTTPS (Hypertext Transfer Protocol /Hypertext Transfer Protocol Secure)
- NNTP (Network News Transfer Protocol)
- Telnet (Teletype Network)
- FTP (File Transfer Protocol)
- SMTP (Simple Mail Transfer Protocol)
- DNS (Domain Name System)

7. Define web standard. Write its benefits.

Ans: Web standards are defined as guidelines developed by the World Wide Web Consortium W3C to promote consistency in design code used to built website.

The benefits in designing website that meet web standards are:

- I. Faster downloading times
- II. Lower maintenance costs
- III. Less time consuming to update
- IV. More accessible to wider range of user, including people with disabilities
- V. Lower bandwidth cost
- VI. More search engine friendly
- VII. More adaptable to future technology

Long Answer Question

- 1) What do you understand by search engine? Explain the uses of search engine.

Ans: A search engine is a software program that helps people find the information they are looking for online using keywords or phrases. it perform web searches on WWW. It is also called as answering machine. Google, yahoo, Baidu, Bing, DuckDuckGo are some popular search engine.

The uses of search engine are: [Short Answer Question number 4](#)

- 2) Define Web Hosting and its types?

Ans: Web hosting is a service that allows organizations and individuals to post a website or web page onto the Internet. It is storage location where your website content files are placed. Websites are hosted, or stored, on special computers called servers.

Type of Website Hosting:

- **Shared hosting:** A type of hosting where multiple websites share a single server and its resources. It is a cost-effective solution for small websites and businesses.
- **WordPress hosting:** A type of hosting designed specifically for WordPress websites. It offers specialized features and tools to optimize WordPress performance and security.
- **Reseller hosting:** A type of hosting where a user can resell hosting services to other customers. It allows individuals and businesses to start their own web hosting business.

- **Dedicated hosting:** A type of hosting where a single website has access to an entire server and its resources. It offers the highest level of performance, security, and control but is also the most expensive.
- **VPS(Virtual Private Server) hosting:** A type of hosting where multiple websites share a single server but have their own dedicated resources and virtualized environment. It provides more flexibility and control than shared hosting.

3) Describe web domain and web hosting?

Ans: [Short Answer Question number 1](#)

4) Define Web protocols and explain type of Protocols?

Ans: A web protocol refers to the set of rules and procedure that govern the communication between web servers and clients. Protocols are used to enable communication and data transfer between devices connected to the Internet. Web protocols are essential to the functioning of the internet and enable users to access and share information online. They ensure that data is transmitted efficiently, securely, and reliably.

Different types of web protocols are:

- I. **Gopher:** It provided a simple and efficient way to navigate and retrieve information from distributed data repositories using a hierarchical structure of menus and submenus, and a text-based interface.
- II. **TCP/IP :** It is a set of communication protocols that are used for transmitting data over the internet or other networks.
- III. **UDP :** a connectionless protocol used for sending small packets of data.
- IV. **HTTP /HTTPS :** stateless protocol used for transferring hypertext document like webpage between a web server and a web browser. HTTPS is secure version of HTTP that uses encryption to protect sensitive data.
- V. **NNTP :** It is used for distributing and retrieving Usenet newsgroup articles.
- VI. **Telnet :** Telnet is a network protocol that provides remote access and management of devices, servers, and computers.
- VII. **FTP :** a protocol used for transferring files over the internet.
- VIII. **SMTP :** a protocol used for sending and receiving email messages.
- IX. **DNS :** a protocol used for translating domain names into IP addresses.