

Web Hosting

Que 1: Raju designed a Web Site for his school. How he can made available it in the internet. **Marks :(2)**

Ans: The Web site has to be uploaded to a Web server to make it available to internet users all over the world. This process is called Web Hosting. Storage space can either be rented on Web server from a Web hosting service provider or set up our self it for hosting. Setting up a Web server is very expensive compared to hosting in a rented storage space.

Que 2: Who is called a Web Host? What are the services provided by him? **Marks :(3)**

Ans: The companies that provide Web Hosting services is called a Web Host. They own and manage Web Servers, provide uninterrupted internet connectivity and power supply, software packages for offering additional services such as databases and support for programming languages such as PHP, Java, ASP.NET, Technical support, etc.

Que 3: What are the factors taken into account while purchasing Hosting space? **Marks :(3)**

Ans: * Type of Hosting (Shared Hosting/Dedicated Hosting/Virtual Private Server-VPS)

* The amount of space required: It must be sufficient for storing the files of our Web Site.

* Windows Server or Linux Server

* Support to other features like database, e-mail facility, etc.

Que 4: Explain how we can register a Domain Name for our Web Site? Marks :(3)

Ans: First we have to finalise a suitable Domain Name for our Web Site, then to check whether this Domain Name is available for registration or it is already in use be somebody else. It can be done by using the Web Site of Hosting company or using Web Sites like www.whois.net. If the domain name that we entered is available, we can proceed with registration by filling information such as Name, address, telephone number and e-mail for WHOIS database of Domain Names for ICANN (database of ICANN contains the list of all the registered Domain Names).

Que 5: State True or False: Domain Name registration process ends with the online payment of annual registration fee. **Marks :(1)**

Ans: True

Que 6: What is 'A record'? Mention its use. **Marks :(2)**

Ans: An 'A record' (Address record) is used to store the IP address of a Web Server connected to a Domain Name. It is used to connect registered Domain Name with IP address.

Que 7: Differentiate between FTP and SFTP client-side versions. Marks :(3)

Ans: * Both are used to transfer files from client computer to server computer.

* Both of them require username, password and domain name to connect to an FTP server (Web Server in which FTP server-side version is installed).

* FTP sends username and password to the server as plain text which is not secured. But SFTP (Secured Shell File Transfer Protocol, SSH-FTP) protocol encrypts and sends usernames, passwords and data to the Web Server. Therefore it is secure than FTP.

Que 8: What is Free Web Hosting? Who are all using it? Marks :(3)

Ans: Hosting a Web Site using the free of charge hosting service provided by some Web Hosts. They display advertisements in the hosted websites to meet the expenses. Free Web Hosting is useful for sharing content on the web among groups having similar interests like family unions, not for profit organisations, etc.

Que 9: List any two CMS softwares available in now. Which CMS software is used to develop the Web Site of Motor Vehicles Department of Kerala State Government? Marks :(2)

Ans: * WordPress, Drupal.

* Joomla.

Que 10: What is Responsive Web Design? Who coined the idea of 'Responsive Web Design'? Marks :(3)

Ans: It is the custom of building a Web Site suitable to work on every device and every screen-size, no matter how large or small, mobile phone or desktop or television. The term 'Responsive Web Design' is coined by Ethan Marcotte.

Que 11: Shared Web Hosting not preferable for commercial purpose. Why? Marks :(2)

Ans: In shared Web Hosting bandwidth is shared by several web sites. If any of the web site has large volume of traffic, it will slow down all other web sites hosted.

Que 12: A supermarket in a city wishes to take its business on-line. Marks :(2)

a) Which type of hosting is suitable for their web site?

b) Justify your answer.

Ans: a) Dedicated Hosting

b) Proper explanation. (Guaranteed performance, good for high traffic, higher level of security, powerful database support, strong software/hardware support, etc.)

Que 13: Shahan is running a non-profit organisation as a part of social service. Which type of web hosting he can use to host their web site? Why?

Marks :(2)

Ans: As the organisation is not able to spend money for free web hosting, Shahan can use such a free hosting service without more financial burden in the organisation.

Que 14: Identify the following.

a) Joomla b) FileZilla Marks :(2)

Ans: Joomla is a popular Content Management System software.

FileZilla is a popular FTP client software.

Que 15: Define the term 'Co-location'. Marks :(2)

Ans: Co-location is the facility of Internet Service Provider where the client can place their own purchased web server.

Que 16: VPS stands for ----- Marks :(1)

Ans: Virtual Private Server

Que 17: Write any three advantages of Dedicated Web Hosting. Marks :(3)

Ans: i) Dedicated servers are usually hosted in data centers where the service provider facilitates Internet connectivity, round-the-clock power supply, etc. and technical expertise for managing web servers.

ii) Band width is not shared with other web sites. Therefore, speed to the access of web site increases.

iii) Cost of setting up and managing the facilities also reduced for clients.

Que 18: Microsoft Hyper-V is an example of ----- software. Marks :(1)

Ans: Server virtualization software

Que 19: Web site of Motor Vehicles department, Government of Kerala is developed using the CMS software ----- Marks :(1)

Ans: Joomla

Que 20: Differentiate between Web Host and Web Hosting. Marks :(2)

Ans: Providing storage space in a web server to serve files for a website to be made available on Internet is called Web Hosting. The companies that provide Web Hosting services are called Web Hosts.