

# Web Hosting

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**Que 1: What are the different type of hosting packages? Explain their features.**

**Marks :(5)**

**Ans:** Shared Hosting:

- \* Different web sites stored on a single server.
- \* Share resources like RAM and CPU.
- \* Basic facilities like minimum band width, storage space, etc. only available.
- \* Cheaper and easy to use.
- \* Security issues handled by hosting company.

Dedicated Hosting:

- \* Client leases entire web server and resources.]
- \* Client has freedom to choose hardware and software resources and has full control over web server.
- \* Guaranteed performance.
- \* Expensive.
- \* Internet connectivity, technical support, round-the-clock power supply, etc.

Virtual Private Server (VPS):

- \* Physical server partitioned into several servers using virtualization technology.
- \* Seperate server O/S, server software, packages like databases, e-mail, etc.
- \* Works as fully independent web server.
- \* Users are provided with rights to install and configure any software on VPS.
- \* Dedicated bandwidth.

**Que 2: Describe the three ways to implement Responsive Web Design. Marks :(3)**

**Ans:** i) Flexible Grid Layout: It set the size of the entire web page to fit the display size of the device.

ii) Flexible Images and vedios: It set the image/vedio dimensions to the percentage of display size of the device.

iii) Media Queries: It provide the ability to specify different styles for individual devices.

**Que 3: 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 4: 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 5: A supermarket in a city wishes to take its business on-line.**

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

**b) Justify your answer. Marks :(3)**

**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 6: 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 7: Name any four commonly used virtualisation softwares. Marks :(2)**

**Ans:** VMware, FreeVPS, Usermode Linux, Microsoft Hyper-V

**Que 8: "Responsive Web Page designing is the need of this era". Justify your answer. Marks :(3)**

**Ans:** Today people use different screen-sized devices like desktops, laptops, tablets, mobile phones, etc to browse web pages. Traditional web pages are designed to be displayed on the screens of devices like desktops and laptops only. Companies maintain separate web pages for mobile devices. Maintaining two web sites for a single organisation created a lot of issues. Therefore, now a days, it is better to maintain a single website with pages having the capability to adjust itself to the screen size of the device. Responsive web design is the only solution to it.

**Que 9: 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 10: Mention any two advantages of CMS. Marks :(2)**

**Ans:** \* Standard security features of CMS provide better help to non-technical people to develop secure web sites.

\* Templates in CMS reduce the need for repetitive coding and design for headings and menus.

\* Templates are available for free download in most of the CMS.

**Que 11: 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 12: Name any two popular FTP client softwares. Marks :(2)**

**Ans:** FileZilla, CuteFTP

**Que 13: Name any two web sites which provide free web hosting services.**

**Marks :(2)**

**Ans:** sites.google.com

yola.com

**Que 14: Mention the advantage of a SFTP over FTP protocol. Marks :(2)**

**Ans:** To connect to an FTP server, FTP client software use username and password. SSH FTP (SFTP) protocol encrypts and send these username and password along with domain name to the web server and there by providing secured file transfer facilities from client to server.

**Que 15: Mention the importance of 'A' Record (Address Record). Marks :(2)**

**Ans:** An 'A' record is used to store the IP address of a web server connected to a Domain Name. It is essential for DNS servers to resolve the Domain Name to connect to Web Server.

**Que 16: Explain the Domain Name registration process. Marks :(3)**

**Ans:** The registration requires filling information for WHOIS database of Domain Names for ICANN. This information include name, address, telephone number and e-mail address of the registrant. Now we can pay annual registration fee online, to complete registration.

**Que 17: Mention the importance of Domain Names. Who offer Domain Name registration service? Marks :(2)**

**Ans:** Domain Name is used to identify a Web Site in the Internet. It commonly known as Uniform Resource Locator(URL). The Web Site of Web Hosting companies or Web

Site like [www.whois.net](http://www.whois.net) provide domain name availability checker facility and registration facility.

**Que 18: Suppose you are going to develop an interactive Web Site for your school. What are the factors you may taken into account while purchasing hosting space from a hosting service provider? Marks :(3)**

**Ans:** Amount of space required to store the files of our Web Site. For hosting an interactive Web Site, supporting technologies like PHP or ASP.Net or JSP or etc. is necessary to install in the server and it require more space in the server. Moreover, the operating system installed in the server is also crucial as it decide the performance of above-mentioned technology and cost. Windows hosting and Linux hosting are commonly available alternatives. Database support is another factor taken into consideration. It must be compatible with the operating system installed and the above said programming technologies.

**Que 19: What are the factors taken into account while choosing a particular type of Web Hosting? Marks :(3)**

**Ans:** \* Amount of space required for hosting.

\* Number of visitors expected to visit the Web Site.

\* Use of resources like databases, programming support, etc.

**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.