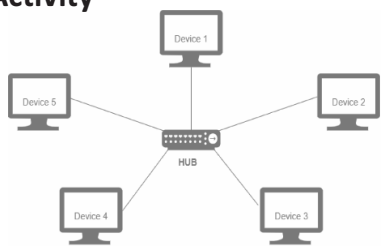
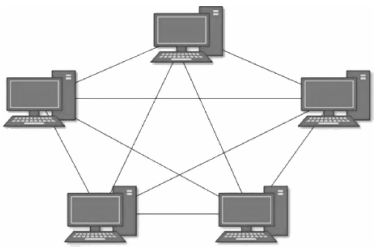
Fun Zone
Gaming Activity



Star Topology



Mesh Topology

Lab Session
Do it yourself

Higher Order Thinking Skills
Satellite

Project Work
Do it yourself

7. Internet Applications

Check Your Learning

a. Text b. Images c. Animation d. Video

EXERCISES

A. Fill in the blanks with the help of words given in the box.

1. Interactive 2. Skype 3. Group Screen Sharing 4. Internet 5. Chat

B. Write 'T' for true and 'F' for false statements.

1. T 2. T 3. F 4. F 5. F 6. F

C. Tick (3) the correct option.

1. a 2. c 3. b 4. a 5. c

D. Answer the following questions.

1. Multimedia is a term which is used to describe how multiple means of media like text, audio, video, graphics and animation are used to communicate the information. It is helpful in understanding the information at a faster way. Webpages often contain multimedia elements of different types and formats. The web has become a broadcast medium where one can listen to audio and enjoy video, both pre-recorded and live.

   The various examples of multimedia conveying information are:

   Newspaper, Television, radio, Internet

2. RSS expands to Rich Site Summary or Really Simple Syndication. It is a type of web feed which allow a user to access updates to online content in a standardized format. RSS works by having the website author maintain a list of notification on the website in a specified way. This list is called RSS Feed. Users can keep track of updates by simply checking the list. Each item in RSSS Feed consists of a simple title briefly describing the updated content along with a complete description and a link to a webpage having actual information. RSS Aggregations have been developed to access these feeds and organize the results for the users.
3. Skype is an IP telephony service provider that offers free calling service. It includes telephone calls, file transfer, texting, video chat and video conferencing. A video call can be made which involves as many as 25people

at once using Group Video Call feature of Skype. Users can also share their computer screen with others using Group Screen Sharing feature. It provides translation in 8 languages for voice calls and more than 50 languages for instant messaging. The two basic requirements to use this software are:

a. Fast Internet with sufficient bandwidth
b. A speaker and microphone

4. Real Time Communication is the text, audio and video communication that happen in real time on the web. It allows people to conference and collaborate in real time. The various tools used in real-time communication are:
   a. Chat: Sending text messages in real time.
   b. Audio: Conducting a telephone conversation on web.
   c. Video: Viewing your audience.
   d. File transfer: Sending files back and forth among participants.
   e. Document/application sharing: Viewing and using a program on another's desktop machine.
5. Blog is an online discussion or informational website displaying information in reverse chronological order. It is a platform where a writer can share his ideas and views on an individual subject. A person who posts his blogs is known as blogger. Reader's can add comments to the blogger's postings, and others can respond and a conversation ensues. Posts are typically displayed in reverse chronological order, so the most recent post appears first at the top of the webpage.

   The various uses of blogs are:
   a. Blogs can be used as personal diary for people to share their personal experience, views, thoughts and contents.
   b. Blogs can be used to communicate the activities and events within the company.
   c. Blogs can be used by the businesses to engage with the audience at an informal level.
   d. It helps the bloggers to build a network of followers who are most likely to refer them to others.

E. Application-based questions.

1. Ankit can write a poem and post it in blog which can be seen by other users.
2. Harshit can use Skype to conduct a video conference.

Fun Zone

Gaming Activity

1. Text 2. Audio 3. Video 4. Graphics 5. Animation

Lab Session

Do it yourself

Higher Order Thinking Skills

1. a. WeChat b. Google Hangouts
2. Do it yourself
3. a. FileZilla b. WeTransfer c. Cyberduck d. Transmit

Project work

Do it yourself

8. Cloud Computing

Check Your Learning

1. Sync.com 2. pCloud 3. Icedrive

EXERCISES

A. Fill in the blanks with the help of words given in the box.

1. Cloud Drive 2. Windows 3. Cloud 4. Flexibility 5. Dropbox

B. Write 'T' for true and 'F' for false statements.

1. T 2. F 3. T 4. F

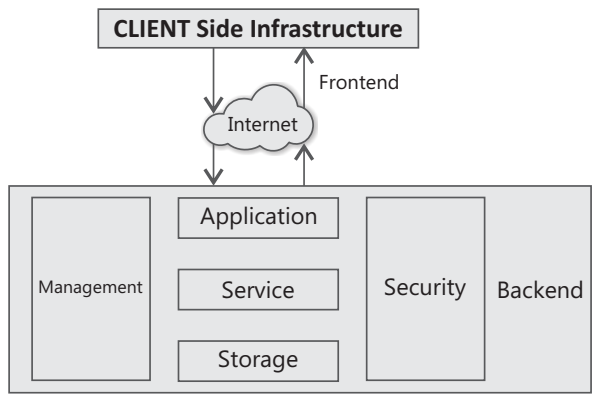
C. Tick (3) the correct option.

1. a 2. c 3. a 4. a 5. c

D. Answer the following questions.

1. Cloud Computing is a software infrastructure which facilitates the users to store the data on remote servers which can be accessed through internet connection. It facilitates users to access various technological services such as computing storage, computing power, networking, servers, intelligence and databases. It enables users to access the data by sitting at any place provided that the user must have an internet connection.
2. Frontend is the foreground part of the cloud computing where client uses computers, network, application software and other means to access data over the internet.

   Backend is the background part of the cloud computing where servers, computers, data storage systems, programs and other means are used to provide the cloud computing services to its users.
3. There are two parts of cloud computing: Frontend and Backend. Frontend is the foreground part of the cloud computing where client uses computers, network, application software and other means to access data over the internet. Backend is the background part of the cloud computing where servers, computers, data storage systems, programs and other means are used to provide the cloud computing services to its users. Internet is used to connect frontend to backend. The client can access the cloud-based services using internet.



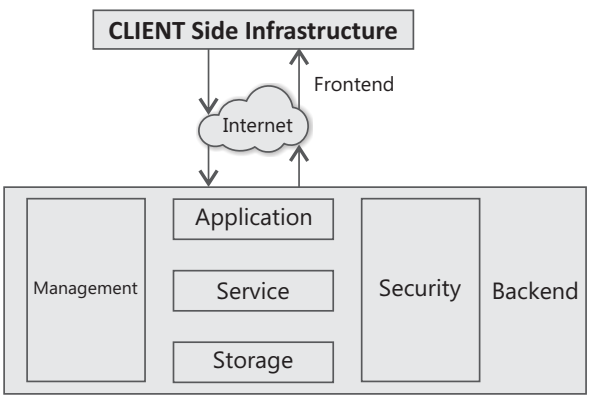
Cloud Storage is a place where you can store data and information, application and other computing resources which can be accessed by the user with an internet connection.

4. Google Drive is file storage and synchronisation service provided by Google. It is a cloud-based storage solution where users can store their files on cloud and access them from anywhere using any device like laptop, tablet or smart phone.
   OneDrive is a cloud-based service which is provided by Windows and all the authorized Microsoft users can access this service. It allows users to store and share the data on cloud such as images, videos, audios, text documents etc.
5. Dropbox is a cloud-based storage service which is provided by American company, Dropbox Inc. It allows its users to store documents and files on cloud and sync them to the user's devices. These files can be accessed by users through its application or website.
6. iCloud is a cloud service provided by Apple. It allows its users to securely store photos, files, notes, passwords and other data in the cloud which can be accessed from any Apple device like iPhone, iPad, iPod etc. All the Apple users get 5GB of Apple iCloud storage space free of cost.
7. Amazon Cloud Drive is a cloud storage service provided by Amazon. It allows its users to store their documents, photos, videos, etc. on cloud and access them with internet connection. It provides 5GB of cloud storage for free for everyone who has an Amazon account.
8. Strongspace is a cloud storage service which is provided by ExpanDrive. It can be used to store, collect, backup and share files on the platform. It helps synchronize the files from one location to another and thus minimizing data transfer. It offers high level of security to its users.

E. Application-based questions.

1. Sneha can store her data on cloud which makes it easy for her to access it wherever she goes.
2. Apple iCloud is a cloud storage service provided by Apple for all the Apple users which can be used by Amandeep to store the confidential information. It is secure to use.

F. Create a diagram to show the working of Cloud Computing.



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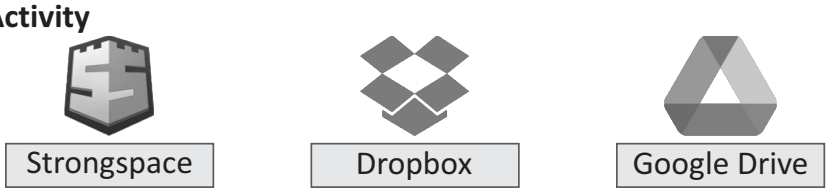
Gaming Activity