UNIT 2

Long Answer Questions:

1. Explain Web services converter Device Converter.
   - **Web services converter**

   This free online file converter lets you convert your files so they can easily be uploaded to web services like YouTube, Instagram and the like. It's possible to upload a file that is not recognized by these web services and convert it using presets to a format that is supported by these websites.

   - **Device Converter**

   You can convert a file optimized for hardware like a smartphone, a gaming console, a TV or to burn a proper data volume. Converter knows the screen size of your devices and can optimize quality and file size for it. Just select the converter for your device.

2. Explain Image converters?

   An image converter is a kind of file converter that **converts one image file format (like a JPG, BMP, or TIF) into another**. If you're unable to use a photo, graphic, or any kind of image file the way you'd like because the format isn't supported, this kind of software can help.

   You can find even more free programs to convert your photos. XnConvert (for Windows, macOS, and Linux) lets you resize pictures, change the color depth, and even add text as you're converting your photos.

   If you prefer something that requires no installation and can be run from inside any web browser, then give the versatile Zamzar a try. It supports conversions to and from more than 1,200 different file types, including pictures, video, and audio. It will ask you for the email address, once it converts a file, it'll send a link to the address you provided.

3. Explain Audio converters?

   An **audio converter** is a device or software that converts an audio signal from one format to another. Just select your target converter and start uploading your files. All audio converters can also rip the audio from a video file.

   The **freefre:ac** (for Windows, macOS, and Linux) supports a wide variety of formats from FLAC to MP3.

   The simple and straightforward Free Audio Converter from **Freemake** (for Windows only) is another good choice. It supports common audio formats such as MP3, AAC, WMA, OGG, and FLAC.

4. Explain the steps in PDF to word converter

It helps to process a PDF containing some scanned pages. To extract all text from your file, OCR is needed. Software Converts PDFs with selectable text to editable Word files.

Steps:

1. Upload your file to our online PDF converter.
2. software will instantly start the extraction process.
3. OCR will activate if you upload a scanned document.
4. Wait for the converter to finish and download your Word file

5. Explain Hash Generator

Producing *hash values* for accessing data or for security. A hash value (or simply *hash*), also called a *message digest*, is a number generated from a string of text. The hash is substantially smaller than the text itself, and is generated by a formula in such a way that it is extremely unlikely that some other text will produce the same hash value.

Hashes play a role in security systems where they're used to ensure that transmitted messages have not been tampered with. The sender generates a hash of the message, encrypts it, and sends it with the message itself. The recipient then decrypts both the message and the hash, produces another hash from the received message, and compares the two hashes. If they're the same, there is a very high probability that the message was transmitted intact.

6. Describe the use of an Internet?

Internet is a global communication system that links together thousands of individual networks. It allows exchange of information between two or more computers on a network. Thus, internet helps in transfer of messages through mail, chat, video & audio conference, etc.

It has become mandatory for day-to-day activities: bills payment, online shopping and surfing, tutoring, working, communicating with peers, etc.

7. Describe the basics of Computer network?

- Computer network is an interconnection between two or more hosts/computers. The connectivity can be physical by using cables or virtual using wireless network. Different types of networks include LAN, WAN, MAN, etc
- Local Area Network (LAN), Wide Area Network (WAN), Metropolitan Area Network (MAN).

8.   Explain Web Browsing Softwires?

A **web browser** is a type of software that allows you to find and view websites on the Internet. "World Wide Web" or simple "Web" is the name given to all the resources of internet.

There are many different web browsers, but some of the most common ones include **Google Chrome**, **Internet Explorer**, **Safari**, **Microsoft Edge**, and **Mozilla Firefox**.

9. What are Navigation buttons?

- The **Back** and **Forward** buttons allow you to move through websites you've **recently viewed**.
- You can also click and hold either button to see your recent history.
- The **Refresh** button will **reload** the current page.
- If a website stops working, try using the Refresh button.

10. Explain about Plugins?

Plug-ins are small applications that allow you to view certain types of content within your web browser. plug-in, also called add-on or extension, computer software that adds new features or extends functionality to a host program without altering the host program itself. Widely used in digital audio, video, and Web browsing, plug-ins enable programmers to update a host program while keeping the user within the program's environment. For example, if you want to sell products or take donations on your site, you're going to need a plugin to handle that. If you don't have the correct plug-in for a website, your browser will usually provide a link to download it. There may also be times when you need to **update** your plug-ins.

11.How do you refine your search?

If you're still having trouble finding exactly what you need, you can use some special characters to help refine your search. For example, if you want to **exclude a word** from a search, you can type a **hyphen** (**-**) at the beginning of a word. So, if you wanted to find cookie recipes that don't include chocolate, you could search for **recipes cookies -chocolate**. You can also search for **exact words** or **phrases** to narrow down your results even more. All you need to do is place **quotation marks** (" ") around the desired search terms. For example, if you search for **recipes "sugar cookies"**, your search results will only include recipes for sugar cookies, instead of any cookies that happen to use sugar as an ingredient.

12. What is Content-specific searches?

There may be times when looking for something more specific, like a **news article**, **picture**, or **video**. Most search engines have **links** at the top of the page that allow you to perform these unique searches. If you see an image you like, you can click to visit the website it originally came from.

You can use the extra **search tools** to narrow down your results even more. These tools will change based on the type of content you're looking for, but in this example, we can filter our images by **size**, **color**, **image type**, and more. So, if you wanted to find cookies with pink frosting, you could search for images that are mostly pink.

13. Explain Bookmarks and history

If you find a website you want to view later, it can be hard to memorize the exact web address. **Bookmarks**, also known as **favourites**, are a great way to save and organize specific websites so you can revisit them again and again. Simply locate and select the **Star** icon to bookmark the current website. Your browser will also keep a history of every site you visit. This is another good way to find a site you visited previously. To view your history, open your browser settings—usually by clicking the icon in the upper-right corner—and select **History**.

14. How do you download a file?

Links don't always go to another website. In some cases, they point to a **file** that can be **downloaded**, or saved, to your computer. If you click a link to a file, it may download automatically, but sometimes it just **opens within your browser** instead of downloading. To prevent it from opening in the browser, you can **right-click** the link and select **Save link as** (different browsers may use slightly different wording, like **Save target as**).

15. How do you save a image?

Sometimes you may want to save an image from a website to your computer. To do this, right-click the image and select **Save image as** (or **Save picture as**). Later a window will be opened and will prompt you to type the name of the file in the path and drive of your choice. Your file will be saved.