Subject: Computer   **FA-1**

Chapter No. 1   **Operating System……..2**
- Functions of an operating system
- Types of Operating system for Desktops, Laptops and Mobile phones

ANSWER KEY

LAUNCHPAD

A. You have learnt about the Windows 10 operating system. (Book work) (Page No. 2)

Right to features that you liked the most about Windows 10.

  i. Start Menu, to access all the programs, settings and folders.

  ii. More than one user can use the same computer.

  iii. The system can run more than one program at a time.

  iv. Cortana, which is Microsoft's personal search assistant.

Let's BROWSE-1   (Book work)   (Page No. 4)

  Name the following.

  1. Macintosh Operating System (macOS), 2. PC-DOS,

  3. Windows 1.0,

  4. Windows 11

Let's BROWSE-2

No, Microsoft is not an open-source software.

Let's BROWSE-3   (write on your notebook)   Page No. 6

With the help you are elders explore the different versions of Android.

Ans: Some of the different versions of Android are:

Android Cupcake

Android Éclair

Android Donut

Android Gingerbread

Android Froyo

Android Jelly Bean

Android Honeycomb

Android Nougat

Android Lollipop

Input / Output   (Page No. 7-8)

A. Take the correct option.   (Book work)

1. An interface between the user and the hardware is called

   c. Operating system

2. Which version of windows have the start menu taskbar and icon in the centre with a cleaner and more minimalist design?

   d. Windows 11

3. Which of the following is not an example of an operating system?

   d. Microsoft office 2021

4. Android operating system is developed by _____.

   b. Google

5. _____ was introduced in 2004 and is suitable for cloud computing servers, desktops and the internet of things.

   a. Ubuntu OS

B. Fill in the blanks.   (Book work)

1. An Open source operating system can be modified and distributed by anyone around the world.

2. Whenever a computer is turned on the Operating System automatically starts to work.

3. Macintosh Operating System is an Operating system designed by Apple Inc.

4. The Windows operating system comes preloaded on most new computers.

5. An operating system manages the Peripheral devices of a computer and takes care of file management.

C. Answer the following questions.(Pno.8-9)

1. What is an Operating system?

Ans: An operating system (OS) is an interface between the user and the computer. It is a software that lets us communicate with the computer. We are able to give instructions and do a task on the computer because of the operating system. A computer cannot run without an OS.

2. List the two primary functions of an operating system?

Ans: Two primary functions of an operating system are as follows:

1. Memory management: It keeps a track of the files being saved in the main memory and the primary memory of the computer.

ii. Interface: It provides a user interface to work and interprets the commands given by the user.

3. List the operating system used in laptops.

Ans: The various operating systems used in laptops are Microsoft Windows, Linux and macOS.

4. Write a difference between Android and IOS.

Ans: Android OS is developed by Google and is the most common mobile operating system today. iOS is developed by Apple Inc. and is specifically designed to operate on Apple devices like iPhones, iPad tablets, etc.

5. Define an open-source operating system.

Ans: An open-source operating system is an OS that can be modified and distributed by anyone in the world.

BROADCAST   (Book work)

Brainstorm

1. Evolution of operating systems has greatly impacted the way we use computers over time:
Operating systems have become faster and more user-friendly.
New features have been added.
There are improvements in memory and storage capacity.
It allows multitasking and enhanced performance.

2. I would design an operating system that would schedule tasks for me and protect itself from security threats.

FA-2

Chapter No.2   **Working With The Internet ….11**

- **Understanding web browser, web page, website, WWW, Protocols, HTTP, domain name, ISP, URL, hyperlink**
- **Communication using internet**
- **Types of search engines**

ANSWER KEY

LAUNCHPAD   **(Page No. 11)**   **(Write on your notebook)**

A. With the help of elders, explore the internet and find out the names of five websites where you can watch videos on plants and animals.

Ans: National Geographic Kids, Animal Planet, BBC Earth, The Mystical Land, Peekaboo Kidz.

B. You need to search for information on the following topic.

Do robots make our work easier?

Write at least five keywords that you will use on a browser to search information on the above topic.

Ans: Keywords: robots, artificial intelligence, uses of robots, how do robots help us, applications of robots.

Let's BROWSE-1   **(Page No. 12)**   **(Write on your notebook)**

You need an Internet connection to connect your computer to the internet some types of Internet connections are given below.

Ans: 1. Dial-up: A dial-up connection is established between a computer and the ISP server using a modem. It requires a telephone connection.

2. Broadband: It is a high-speed internet connection provided mainly through cable. It does not require any telephone connection.

3. Wi-fi: It is a wireless technology through which the internet can be accessed by multiple devices at a time. It is basically radio signals sent from a wireless router.

4. Mobile Internet: It is the internet connection delivered wirelessly to mobile devices such as smartphones and tablets. It is provided by a cellular telephone service provider or mobile wireless network.

5. Hotspots: A hotspot refers to a specific location where people can use a wireless local area network (WLAN), or Wi-Fi, to access the Internet.

Input / Output   **(Page No.22-23)**

A. Take the correct option.   (Book work)

1. Google Chrome, Safari and Mozilla Firefox are examples of:
   c. Browsers
2. An example of instead messaging software is:
   b. Skype
3. _____ is the rule that is used to transfer information over the network.
   d. HTTP
4. What does www stand for in the contacts of the internet?
   b. World wide web
5. The main purpose of a web browser is to _____.
   c. Access and view websites

B. Fill in the blanks.(Bookwork)

1. <u>Protocols</u> aur asset of rules which everyone has to follow so that information can be shared easily on the internet.

2. Inhen website, a <u>Hyperlink</u> is an item like a word or button that points to another location.

3. <u>Video conferencing</u> is a technology in real time where people can connect face to face through the internet.

4. The <u>Domain name</u> is a unique name that appears after the @ sign in email addresses and after www.in web addresses.

5. A URL is a <u>Web address</u> that directs you to a particular website, web page or document on the internet.

C. Answer the following questions.(Write these questions on your notebook) (pno.23)

1. List the types of internet connection.

Ans: The various types of Internet connections are:

i. Dial-up

ii. Broadband

iii. Mobile Internet

iv. Wi-Fi

v. Hotspot

2. Write any three advantages of the internet.

Ans: Three advantages of the Internet are as follows:

i. Instant access to information: We can get information by simple typing the query.

ii. Effortless communication: People thousand miles away can connect within seconds.

iii. Social networking: People are able to connect and express their opinions.

3. What are search engines?

Ans: Search engines are online services that enable users to find and retrieve information from the vast expanse of the Internet by using keywords and queries. Some popular search engines are Yahoo, Bing and Google.

4. What is the difference between uploading and downloading?

Ans: Uploading means sending data or a file from the computer to somewhere on the Internet. Downloading means receiving files or images from the Internet to the computer.

5. Define the term website and web page.

Ans: The terms are defined below.

Website

i. It is a collection of several web pages interrelated to each other.

ii. For example: Amazon, Google, National Portal of India, etc.

Webpage

i. It is a single document or page that is displayed on a web browser

ii. For example: login page, about page, contact page, etc.

6. Band searching for information: what does a minus sign indicate in front of the word?

Ans: When searching for information, a minus sign in front of the word indicates that we do not want that word to appear in our search results. For example: 'Saturn-cars' will give us information about the planet, not the automobile.

7. Write any two tips for using search engines?

Ans: Two tips for using search engines are as follows:

i. Choose the search terms carefully: Be precise about what you are looking for. Try to use phrases and not full sentences.

ii. Add more words to narrow a search: Use search options to narrow your topic with quotation marks. There is a big difference between the search terms 'tigers' and 'Project Tiger in India'.

8. Write one difference between email and instant messaging?

Ans: The differences between e-mail and instant messaging are as follows:

E-mail

i. It refers to the exchange of messages among one or more users via the Internet.

Instant messaging

i. It is a type of communication platform that enables users to text-based or voice based chat online in real time.

ii. Examples: Gmail, Outlook

ii. Examples: WhatsApp, Skype, Telegram

D. Write the full forms of the following. (Book work)
1. URL: Uniform Resource Locator
2. HTTP: Hypertext Transfer Protocol
3. ISP: Internet Service Provider
4. WWW: World Wide Web

E. Write the clues for the given crossword.(Book work)pno.24

Across

4. HYPERLINK: An element, such as a word or button that directs us to another location

5. BROWSER: A type of software that allows us to find and view websites on the Internet

6. URL: A web address that directs us to a particular website, webpage or document on the Internet.

8. WEBPAGE: A single document or page that is displayed on a web browser.

9. WIFI: A wireless technology through which internet can be accessed by multiple devices at a time.

Down

1. ADDRESS BAR: A text box in a web browser displaying the address of the current web page.

2. HTML: Hyper Text Markup Language.

3. INTERNET: A global system of interconnected computer networks that is available to everyone.

7. WEBSITE: A collection of several web pages interrelated to each other.

BROADCAST

Brainstorm

1. In earlier times, there was no internet. People communicated through letters and telephone calls. Letters were sent and delivered by postal service.