

3

PMP Planet<sup>®</sup>  
Multimedia Publishers  
The Ultimate Resource



# SourceC<>de

Artificial Intelligence

Animated Life Skills

Coding

Computational Thinking

Experiential Learning

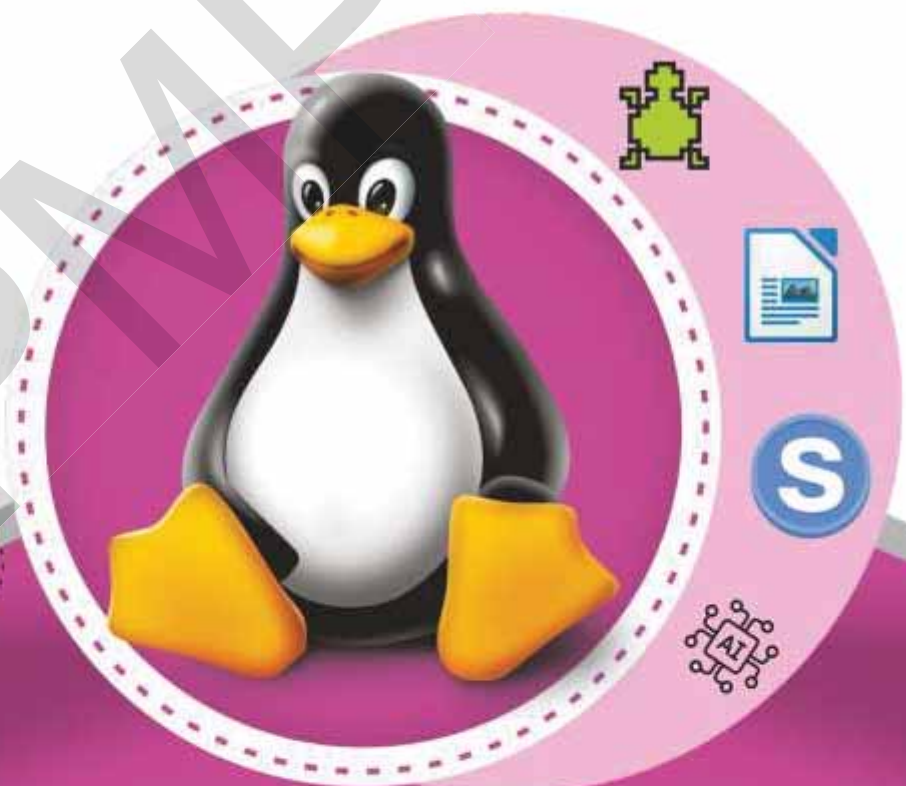
Multidisciplinary Approach

Subject Integration

Art Integration

Skill Formation

Linked with SDGs



**Ubuntu 22.04**  
WITH LIBREOFFICE 7.3

# WORKSHEET

# Ch-1

# Computer and Its components

### A. Choose the appropriate options:

- The word computer comes from the term .....  
a. Compete       b. Compute       c. Complete
- A ..... is a collection or combination of components that are used together for a common task.  
a. System       b. Hardware       c. Software
- A computer is a ..... and useful machine.  
a. Powerful       b. Strong       c. Intelligent
- Computer can perform thousands of calculations in a .....  
a. Minute       b. Second       c. Hour
- The physical equipment that are attached to a computer are collectively called:  
a. Hardware       b. Software       c. Storage

### B. Fill in the blanks:

- ..... is a plastic or metal case that contains the main components of a computer.
- Every computer has a system Unit or .....
- Keyboard is a ..... device.
- CPU, also known as .....
- Microprocessor, is the ..... device.

### C. Write T for the true statement and F for the false one:

- SSD stands for Solid State drive.
- We cannot touch or feel the software.
- Linux was developed by Microsoft.
- Operating system acts as a bridge between the user and the computer system.
- Printer is a storage device.

**D. Answer the following questions:**

1. What is a system unit?
2. What are processing devices?
3. What do you know about CPU?
4. What is operating System?

**E. Differentiate between:**

- |    |                      |                 |
|----|----------------------|-----------------|
| 1. | Windows              | Linux           |
|    | .....                | .....           |
|    | .....                | .....           |
|    | .....                | .....           |
| 2. | Application Software | System Software |
|    | .....                | .....           |
|    | .....                | .....           |
|    | .....                | .....           |

**F. Match the following:**

- |                  |                                      |
|------------------|--------------------------------------|
| Versatility      | Gives correct answer                 |
| Accuracy         | Apple Inc                            |
| Pen drive        | Perform variety of tasks efficiently |
| Mac OS           | First software                       |
| Operating system | Storage Device                       |

**G. Application based questions:**

1. Hamaad wants to install the free operating system in his laptop. Can you help him to find the free operating system. If yes, tell him which operating system he can install and from where he gets this.
2. Amir wants to buy the portable storage device which he can put in his pocket when needs. Tell him which storage device he needs to buy.

# Ch-2

## Ubuntu Operation System

### A. Choose the appropriate options:

- A computer is useful without the ..... system.  
a. Operating  b. Hardware  c. Unit  d. None of these
- There are ..... types of booting  
a. Two  b. Three  c. Four  d. Five
- Linux is free to.....  
a. Download  b. Edit  c. Distribute  d. All of these
- Penguin was designed by.  
a. Linus Torvalds  b. Larry Ewing  c. Bill gates  d. Elon Mask
- In Ubuntu, there are mainly.....methods to start a program.  
a. Two  b. Three  c. Four  d. Five

### B. Fill in the blanks:

- Linux is an ..... software.
- Ubuntu is a completely ..... to use.
- ..... is a free operating system.
- Penguin was chosen by .....
- Ubuntu is highly .....

### C. Write T for the true statement and F for the false one:

- A computer is useful without the operating system.
- Linux was created in 1990.
- Desktop is the background area of your screen.
- Restarting the computer means it shuts down and starts up again.
- Linus Torvalds was a software engineer.

**D. Answer the following questions:**

1. What do you mean by User Interface? What are the two types of User Interfaces?
2. Write a short note on Linux operating system?
3. What are the features of open-source software?
4. What do you know about Ubuntu?

**E. Differentiate between:**

1.	Cold Booting	Warm Booting
	.....	.....
	.....	.....
	.....	.....

**F. Match the following:**

GUI	Application Software
CLI	22.04 Code
Tux Paint	Graphical User Interface
Jammy Jellyfish	Linux Based
Ubuntu	Command Line Interface

**G. Application based questions:**

1. Saima wants to remove the unwanted program to make the space in the Dock but she doesn't know how she can do this. Help her in this situation.
2. Saeed needs to adjust the volume of the computer. Which menu he needs to click.

**A. Choose the appropriate options:**

1. By default, the pen color of KTurtle is

- a. Black       b. White       c. Red

2. RGB combination has to be in the range of

- a. 0 to 255       b. 0 to 256       c. 0 to 257

3. We can use..... command to hide the turtle after every calculation

- a. SH       b. Sh       c. sH

4. .... command is also used to perform calculations in KTurtle.

- a. Print       b. PRINT       c. print

5. In a pentagon, there are ..... sides.

- a. Four       b. Five       c. Six

**B. Fill in the blanks:**

1. The ..... operations are not enclosed in double quotes.

2. .... command is used to set the color of canvas.

3. The Turtle takes x turns for an.....

4. .... Command is used to reduce the number of commands to a single command.

**C. Write T for the true statement and F for the false one:**

1. As the triangle has 3 sides, the turtle will turn 120 degree (360/3)

2. For making any polygon shape, the turtle has to walk around the edges.

3. In RGB 'B' stands for Blue.

4. We cannot change the Pen Color in KTurtle.

**D. Answer the following questions:**

1. How can you draw polygon in Kturtle?
2. Which commands should you type in Editor to draw a square?
3. How many degrees does turn in Pentagon and Hexagon?

**E. Match the following:**

Green	Six Sides
Red	0,255,0
Hexagon	360
Circle	255,0,0
Semi-Circle	180

**F. Application based questions:**

1. Mehak needs to make a rectangle 2 sides with red color and 2 sides with black. Tell her which command she used to change the color from black to red.
2. Ayman wants to know the combination of RGB. Help him to describe which letter describes which Color.

## Ch-4

# Word Processor (Writer)

### A. Choose the appropriate options:

- You can use ..... for creating and formatting a document.
  - Word Processor
  - Word creator
  - Word Program
- ..... key is the tremendous time saver in Writer.
  - F2
  - F3
  - F4
- By default, writer aligns the text to the .....
  - Left
  - Centre
  - Right
- The keyboard shortcut for saving a document is  
  - Ctrl+S
  - Ctrl+C
  - Ctrl+B

### B. Fill in the blanks:

- A ..... is a computer software that is used for creating and formatting.
- A ..... is a free open-source productivity software suite for Linux.
- ..... is a typeface that defines the shape of each character.
- File created in Writer is saved with the file extension .....

### C. Write T for the true statement and F for the false one:

- You can save the document for future use.
- You cannot change the size of the text in your document.
- F4 is also called the Repeat Formatting Command.
- You can make your text bold, Italic or underlined.

### D. Answer the following questions:

- What can we do with Word Processor?
- What are some types of Word Processor?
- Write the steps for creating a new document.
- What do you mean by Highlighting Text?



**D. Answer the following questions:**

1. What do you mean by User Interface? What are the two types of User Interfaces?
2. Write a short note on Linux operating system?
3. What are the features of open-source software?
4. What do you know about Ubuntu?

**E. Differentiate between:**

1. Title Bar

Menu Bar

.....

.....

.....

2. Standard Toolbar

Formatting Toolbar

.....

.....

.....

**F. Match the following:**

Align Center

Align Right

Align Left

Justify



**G. Application based questions:**

1. Insha writes a poem in Writer. She wants to save this for future. As she is doesn't know which shortcut key, she used to do this. Help her to do the task.
2. Nadeem's mother calls him for lunch when he writes something in Writer. Now he wants to exiting the writer. Tell him which button he used to exit from writer window.

**A. Choose the appropriate options:**

1. .... is the largest network that connects millions of computers across the world.

- a. Intranet       b. Internet       c. Extranet

2. Internet is a valuable tool for.

- a. Study       b. Research       c. Both A & B

3. WWW was developed by.

- a. Tim Berners-Lee       b. Charles Babbage       c. Lady Ada Lovelace

4. The most popular social networking site is

- a. WhatsApp       b. Facebook       c. Telegram

**B. Fill in the blanks:**

1. The Internet is popularly called .....

2. A link, also called.....

3. .... page links to all other pages on the website.

4. .... stands for Uniform Resource Locator.

**C. Write T for the true statement and F for the false one:**

1. You can buy or sell things on Internet.
2. You can find any kind of information you require through the Internet.
3. Webpage is a single page on the web that contains information.
4. YouTube is a video sharing service.

**D. Answer the following questions:**

1. Who developed Internet and when?
2. What do you mean by Social Networking?
3. What is a website?

4. What do you mean by Web browser?
5. Give some examples of Web browsers?

**F. Match the following:**

Search Engine	Google Chrome
Unique Address	Yahoo!
Web Browser	1989
Web	URL

**G. Application based questions:**

1. Zehra's father wants to send message to his friend who lives in America. Which service of Internet he used for this purpose.
2. Fatima wants to watch her favorite cartoon movie while traveling with his family. Which service she used for this purpose.

PMP

**A. Mark the correct steps of the following procedure.**

You have to make your bed before going to sleep. Mark the correct order to make your bed.

1. Fix the blanket
2. Call your mom to see good job
3. Get out of bed
4. Pull up the sheet
5. Put the bed spread on top
6. Fluff the pillow and set it on bed

**B. Fill in the blanks:**

1. .... is a procedure to try to find solution to a problem or task.
2. .... follows our instructions and works accordingly in a step-by-step manner.
3. IPO stands for .....
4. The step wise instructions help in completing a task..... and .....

**C. Write T for the true statement and F for the false one:**

1. Computer works without instructions.
2. There is no need to follow step wise process.
3. Computer gives result on output devices.

  
  
**D. Answer the following questions:**

1. What is sequence?
2. When we will get accurate result?
3. What is an IPO process?

**F. Match the following:**

Sun

Birthday Cap

Pencil Box

Rectangle

Circular

Triangle

PMP

**A. Choose the appropriate options:**

- ..... is a free block-based visual programming language.
  - Scratus
  - Scratch
  - KTurtle
- Scratus is an .....programming language.
  - Cumbersome
  - Easy
  - Tough
- The Scratus blocks are organized into ..... coded categories.
  - Nine-color
  - Ten-color
  - Eleven-color
- ..... is used to draw shapes using different colors and sizes.
  - Pen
  - Pencil
  - Marker
- The file extension of Scratus program is.....
  - .sb3
  - .Sb3
  - .Sb3

**B. Fill in the blanks:**

- ..... project does not provide binaries for Linux distributions.
- Scratus projects are made up of ..... or ..... called Sprites
- By default, Scratus is not installed in .....
- To use Pen, you have to enable it from .....
- Scratus is a free ..... programming software.

**C. Write T for the true statement and F for the false one:**

- You can buy or sell things on Internet.
- You can find any kind of information you require through the Internet.
- Webpage is a single page on the web that contains information.
- YouTube is a video sharing service.

**D. Answer the following questions:**

1. What is a Scratux?
2. What do you mean by Scripts?
3. What are Variables?
4. What do you mean by Blocks Palette?

**F. Match the following:**

Yellow

My Blocks

Green

Sensing

Pink

Events

Blue

Operators

**G. Application based questions:**

1. Shaista made a program in Scratux. She is unaware on which menu she finds the save option. Tell her on which menu she needs to click.
2. Sehrish wants to make a program in Scratux. But the Scratux is not installed in her system due to Ubuntu 22.04 operating system. Can you tell her where she can download this programming software.

PMP

## Ch-8

# AI versus Human Intelligence

### A. Choose the appropriate options:

- ..... is a social humanoid robot.  
a. Sophia       b. Stephen       c. Siri
- Quick, Draw! Is a free online game developed by  
a. Microsoft       b. Apple       c. Google
- Artificial Intelligence is a .....  
a. Natural       b. Man made       c. None of these
- AI always mimics ..... behaviour.  
a. Human       b. Animal       c. Both A & B
- Artificial Intelligence can be categorized into ..... types.  
a. Two       b. Three       c. Four

### B. Fill in the blanks:

- Sophia was activated on ..... 2016.
- ..... is the series of action to be taken to achieve a goal.
- ..... Intelligence cannot beat the speed of AI.
- ..... game prompts players to quickly draw six different objects.
- To start Quick, Draw you need a computer with ..... Connection.

### C. Write T for the true statement and F for the false one:

- Sophia is a social humanoid robot.
- Human decision can be biased.
- Human Intelligence is natural.
- Quick, Draw gives 20 seconds to the player to draw the prompt.
- Your drawings help developers to train new robots.



**D. Answer the following questions:**

1. What do you mean by AI?
2. Who is Sophia?
3. What is Reasoning?
4. What do you mean by Planning?

**E. Application based questions:**

1. Yahya wants to play Quick, Draw but he is unaware what address he need to type in browser to play this game. Help him by giving the address.

PMP

# From Lesson No 1 to 4

## A. Choose the appropriate options:

- A computer is a ..... and useful machine.  
a. Powerful       b. Strong       c. Intelligent
- There are ..... types of booting  
a. Two       b. Three       c. Four       d. Five
- We can use..... command to hide the turtle after every calculation  
a. SH       b. Sh       c. sH
- ..... key is the tremendous time saver in Writer.  
a. F2       b. F3       c. F4

## B. Fill in the blanks:

- CPU, also known as .....
- ..... is a free operating system.
- The Turtle takes x turns for an .....
- ..... is a free open-source productivity software suite for Linux.

## C. Write T for the true statement and F for the false one:

- We cannot touch or feel the software.
- Desktop is the background area of your screen.
- In RGB 'B' stands for Blue.
- You can make your text bold, Italic or underlined.

## D. Answer the following questions:

- What are processing devices?
- What are the features of Open-source software?
- How many can you draw circle in KTurtle?
- Why Highlighting the text is important?

## From Lesson No 5 to 8

### A. Choose the appropriate options:

1. Internet is valuable tool for:

a. Study

b. Research

c. both a & b

2. IPO stands for:

a. Input, Progress, Output

b. Input, Process, Output

c. None of these

3. .... is used to draw shapes using different colors and sizes.

a. Pen

b. Pencil

c. both a & b

4. Sophia is a .....

a. Social humanoid Robot

b. Actress

c. Doctor

### B. Fill in the blanks:

1. .... is a unique address.

2. .... is a procedure to try to find solution to a problem or task.

3. .... is same as Scratch 3.0.

4. .... Intelligence cannot beat the speed of AI.

### C. Write T for the true statement and F for the false one:

1. We can only buy things on Internet.

2. Computer gives result after processing the data.

3. Scratux is a paid programming software.

4. Human Intelligence is artificial.

### D. Answer the following questions:

1. What do you mean by website?

2. Why sequence is important?

3. What are variables?

4. What is Reasoning?