WORKSHEET

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NUMBER SYSTEM

A. Complete the sentences.

1. The base of decimal number system is ....

2. The position of first digit towards left side of the decimal point is ....

3. The most widely used number system is ....

4. A binary number is made up of only ....

5. Hexadecimal number system provides shortcut method to represent ....

6. Binary addition is similar to the addition of ....

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

1. The word binary comes from 'Bi-' meaning three.

    ....

2. We cannot perform the addition operation on binary numbers.

    ....

3. The letters A to F represent the decimal numbers from 12 to 17 in hexadecimal number system.

    ....

4. A single binary digit (like '0' or '1') is called a 'byte'.

    ....

C. Read the clues and answer the following:

1. It contains a decimal point.   ....

2. It uses the digits 0 to 7.   ....

3. It consists of 16 digits.   ....

4. It is simply a manner of counting.   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

WORKSHEET

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

FORMULAS, FUNCTIONS AND CHARTS IN CALC

A. Tick (✓) the correct option.

1. Which of the following operators is used for exponentiation in Calc?

   a.   * ☐   b.   ^ ☐

   c.   % ☐   d.   / ☐

2. Which key allows you to toggle between relative, absolute and mixed references in Calc?

   a.   F1 ☐   b.   F4 ☐

   c.   Ctrl ☐   d.   Shift ☐

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

1. Absolute references adjust automatically when copied.

   ....

2. A relative reference changes based on its new location.

   ....

3. A1 is an example of a mixed reference.

   ....

C. Match the following:

Column A	Column B
1. =A1+B1	a. Absolute Reference
2. =A1+B1	b. Mixed Reference
3. =A$1+B1	c. Relative Reference
4. =SUM(4,6,10)	d. Predefined function

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

Name: _____

Roll No: _____

Class: _____ **Section:** _____ **Date:** _____

MORE ON CALC

A. Complete the sentences.

1. The .... once applied, can be easily removed.

2. The Data Bars option is used to add data bars to the cells containing ....

3. .... option applies a color gradient across all selected cells, with colors varying from top to bottom.

4. Date option is used when the data consists of ....

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

1. LibreOffice can arrange the selected data in ascending order only.

   ....

2. Conditional Formatting is used to separate unwanted material from a mixture.

   ....

3. You sort more than one column in Calc using Sort option under the File menu.

   ....

C. Tick (✓) the correct option.

1. The Goal Seek option is present under .... menu.

   a. Insert ⬚   b. View ⬚

   c. Tools ⬚   d. Help ⬚

2. The conditional formatting can be done from .... menu.

   a. Data ⬚   b. Edit ⬚

   c. Insert ⬚   d. View ⬚

D. What is the difference between sorting data and filtering data?

....

....

Grade: ☆ ☆ ☆ ☆ ☆   **Teacher's Signature:** _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-4

CLASS 7

USING TOOLS IN TUPI 2D

A. Rewrite the incorrect statements.

1. Ink tool is used to draw a closed rectangle, ellipse or a line.

   ....

2. The library is located on the right side bar of the Tupi 2D interface.

   ....

3. Pencil Tool helps to reorder the nodes which were created while drawing an object.

   ....

4. Line Tool is used to draw free hand drawings.

   ....

5. Polyline tool helps the user to modify, flip or group objects as per their requirements.

   ....

B. Number the steps to fill the colour in any object using Paint Bucket tool.

☐ Click on the object to fill colour in the object.

☐ Go to the Color Palette and click on the Fill box.

☐ Click on the Paint Bucket tool from the Toolbox.

☐ Draw any object in the workspace area.

C. Fill in the blanks using the hints given below.

Hints: Polyline, Toolbox, color palette, Ink

1. .... tool is used to draw in different colours.

2. .... is a collection of various types of tools that are used to draw different objects in the workspace area of the project.

3. The colors can be chosen from the .... to fill in the shapes.

4. .... tool helps to draw different shapes and diagrams in the workspace area.

Grade: ☆ ☆ ☆ ☆ ☆   **Teacher's Signature:** _____

ANIMATIONS IN TUPI 2D

A. Write 'T' for true and 'F' for false. Correct the false statements.

1. Scale tween helps to move an object.

    ....

2. Rotation tween changes the object's horizontal and vertical shear.

    ....

3. Frame is a feature that helps us to make animation process easier and faster.

    ....

4. Coloring tween controls the opacity level of the object from starting to ending at two different points.

    ....

5. Rotation tween helps to rotate an object only clockwise.

    ....

B. Define the following:

1. Exposure Sheet

    ....

2. Frames

    ....

3. Scale tween

    ....

4. Layers

    ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

INTRODUCTION TO GIMP

A. Tick (✓) the correct option.

1. Identify the tab that is used for filling the selected areas of an image.

   a. Patterns ☐   b. Brushes ☐

   c. Font ☐   d. Ruler ☐

2. Which of the following tool allows you to add, edit, and style text within an image?

   a. Magic Tool ☐   b. Crop Tool ☐

   c. Text tool ☐   d. Gradient Tool ☐

3. Which of the following tool is used to draw brush strokes to give an effect of painting?

   a. Paint Tool ☐   b. Crop Tool ☐

   c. Brush tool ☐   d. Paintbrush Tool ☐

B. Match the following:

#	Icon		Match
1.	▣	a.	Fuzzy Select Tool
2.	◯	b.	Crop Tool
3.	↗	c.	Paintbrush Tool
4.	⌐	d.	Zoom Tool
5.	🔍	e.	Rectangle Select Tool
6.	✎	f.	Free Select Tool

C. Answer the following questions:

1. Write the full form of GIMP.

   ....

2. Which tool is used to magnify a desired part of an image?

   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

WORKSHEET

TOUCHPAD

PLUS Ver. 3.2

Chapter-7

CLASS 7

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

MORE ON HTML

A. Write 'T' for true and 'F' for false. Correct the false statements.

1. HTTP is a markup language that describes the structure of the web page.

   ....

2. The <TITLE> tag represents the header area of the document.

   ....

3. The <H6> tag is used for the largest and most important heading.

   ....

4. The <P> tag is used when you want to start a new line but do not want to start a new paragraph.

   ....

B. Complete the sentences.

1. The <BODY> tag defines ....

2. The <P> tag defines ....

3. The <HR> tag is used ....

4. The <SUP> tag is used ....

C. Describe the following:

1. background-color

   ....

2. font-weight

   ....

3. background-repeat

   ....

4. font-size

   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

WORKSHEET

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

TOUCHPAD
PLUS Ver. 3.2

Chapter-8

CLASS 7

LISTS AND TABLES IN HTML

A. Complete the sentences.

1.   <TH> tag is used for ....

2.   The definition list is also known as ....

3.   The <UL> tag is used to define ....

4.   The <TD> tag stands for ....

5.   Tables represent the data in the form of ....

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

1.   The <TR> tag is used for defining the title of the table.

     ....

2.   A list is a collection of related tags.

     ....

3.   The <DT> tag defines the description term's definition.

     ....

4.   An unordered list is also called the numbered list.

     ....

5.   The border-style property allows you to apply a color to the border.

     ....

C. Explain the following.

1.   Unordered List - ....

     ....

2.   COLSPAN - ....

     ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

ALGORITHMIC INTELLIGENCE

A. Match the following:

Column A		Column B	
1.	Algorithm	a.	Pictorial representation
2.	Binary Code	b.	Processed data
3.	Flowchart	c.	1 or 0
4.	Information	d.	Set of step by step instructions

B. Complete the sentences.

1. Conditional statements are used ....

2. If the condition is False, ...

3. A block refers to ....

4. A flowchart uses ....

C. Write 'T' for true and 'F' for false. Correct the false statements.

1. An algorithm uses special symbols to represent each step.

   ....

2. Right side of the body control 3D shapes, intuition and creativity.

   ....

3. Left side of the body control reasoning, objectivity and number skills.

   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

TOUCHPAD
PLUS Ver. 3.2

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

CONDITIONAL STATEMENTS IN PYTHON

A. Complete the sentences.

1. Conditional statements, also known ....

2. If the condition evaluates to True, ...

3. The inner if block ....

B. Find the error and rewrite the code:

```
if(age > 18)
print('You are eligible to vote')
else:
print('Not eligible to vote')
```

C. Write a program to check if a number is two-digit, three-digit or four-digit using if…elif…else ladder.

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

TOUCHPAD
PLUS Ver. 3.2

AI FOR SDGs

A. Tick (✓) the correct option.

1. In which year were the SDGs adopted?

   a. 2020 ☐   b. 2025 ☐

   c. 2015 ☐   d. 2010 ☐

2. How many SDGs are there in total?

   a. 15 ☐   b. 17 ☐

   c. 20 ☐   d. 25 ☐

3. Which SDG aims to reduce inequality?

   a. Goal 1 ☐   b. Goal 5 ☐

   c. Goal 10 ☐   d. Goal 16 ☐

B. Fill in the blanks with the hints.

Hints: 2030, water, climate, quality, inequalities

1. The SDGs aim to achieve progress by ....

2. Goal 10 reduces .... within and between countries.

3. Goal 6 focuses on clean .... and sanitation.

4. Goal 4 aims to ensure .... education for all.

5. Goal 13 deals with combating .... change.

C. Write 'T' for true and 'F' for false.

1. There are 15 SDGs adopted by the UN. ....

2. Poverty eradication is addressed in Goal 1. ....

3. Promoting renewable energy is part of Goal 5. ....

4. Quality education for all is ensured through Goal 3. ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____