ORANGE

WORKSHEET (1)

DIGICODE AI
Ver. 2.1

Chapter-1

CLASS 3

Name: _____

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# INTRODUCTION TO WINDOWS 10

## A. Tick (✓) the correct option.

1. Which of these is a moving pattern or animation on the screen?

   a. Background ☐                 b. Screen saver ☐

   c. Icon ☐                       d. Clock ☐

2. Which of these is a long bar at the bottom of the desktop?

   a. Clock ☐                      b. Taskbar ☐

   c. Start button ☐               d. Menu bar ☐

3. Which of these is a mouse pointer used for pointing and selecting?

   a. Busy ☐                       b. Normal ☐

   c. Text select ☐               d. Four-headed arrow ☐

## B. Match the following mouse pointer shapes with their functions:

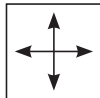1.                 a. Used for pointing, and dragging the items

2.                 b. Used for moving pictures.

3.                 c. Computer is busy and wants you to wait

4.                 d. Used for inserting text in a document

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

1. Double-headed Arrow is used for inserting text in a document. ...............

2. Taskbar appears at the bottom of the desktop. ...............

3. Windows 10 is an operating system software. ...............

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# INTRODUCTION TO WINDOWS 10

**A. Fill in the blanks using the hints given below:**

**Hints:** Text Select , Microsoft Corporation , Icons, Desktop

1. Windows 10 is an operating system developed by ........................... .

2. On the desktop, the small pictures which represent different programs are called ........................... .

3. ........................... is the first screen that appears when you switch ON your computer.

4. ........................... mouse pointer is used for inserting text in a document.

**B. Look at the given pictures and fill in the missing letters.**

1. [ ] [O] [ ] [ ] [U] [ ] [ ] [ ]

2. [R] [ ] [ ] [Y] [L] [ ] [ ] [ ] [N]

3. [ ] [T] [ ] [R] [ ] [B] [ ] [ ] [T] [ ] [N]

4. [ ] [ ] [L] [ ] [R]

**C. Answer the following questions:**

1. What are icons?

   .............................................................................................

2. What is a taskbar?

   .............................................................................................

3. What is screensaver?

   .............................................................................................

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# EDITING AND FORMATTING ON WORD

**A.** **Tick (✓) the correct option.**

1. Under which group, the alignment options are found?

   a. Paragraph ☐            b. Clipboard ☐

   c. Font ☐            d. Home ☐

2. Which of these is not a font style available in WORD?

   a. Italics ☐            b. Grow font ☐

   c. Bold ☐            d. None of these ☐

3. Which of the following terms refers to change in the appearance of the text?

   a. Setting ☐            b. Formatting ☐

   c. Style ☐            d. Bullet ☐

**B.** **Fill in the blanks using the hints given below:**

**Hints:** calibri, font, home, bullet

1. ........................ is the look of the alphabet on the screen.

2. The Font Size box is available in the ........................ tab.

3. A ........................ is a small symbol used to mark each item in a list.

4. In Word, the default font is ........................ .

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

1. The text highlight color option lies in Home tab. ........................

2. Right Arrow is used to move a character towards right. ........................

3. In a bulleted list, each item has a sequential number in front of it. ........................

4. Bold means a line under the text. ........................

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CLASS 3

# EDITING AND FORMATTING ON WORD

**A. Match the following:**

| | | | | |
|---|---|---|---|---|
| 1. | Ctrl + B | | a. | Open |
| 2. | Ctrl + I | | b. | Print |
| 3. | Ctrl + Z | | c. | New Tab |
| 4. | Ctrl + O | | d. | Italic |
| 5. | Ctrl + C | | e. | Undo |
| 6. | Ctrl + V | | f. | Bold |
| 7. | Ctrl + N | | g. | Copy |
| 8. | Ctrl + P | | h. | Paste |

**B. Name the following commands in WORD:**

1.  [≡] .................................... 2.  U̲ ....................................

3.  [≣] .................................... 4.  B ....................................

**C. Answer the following questions:**

1.  What are the different types of alignment?

    .................................................................................................

2.  What is a bullet?

    .................................................................................................

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Chapter-3

CLASS 3

# LET'S LEARN PAINT 3D

**A. Label the main components of Paint 3D window.**

Untitled - Paint 3D

Menu | Brushes | 2D shapes | 3D shapes | Stickers | Text | Effects | Canvas | 3D library | Paste | Undo | History | Redo

Select | Crop | Magic select | Mixed reality | 3D view | 100%

Marker

Thickness 5px

Opacity 100%

Matte

+ Add colour
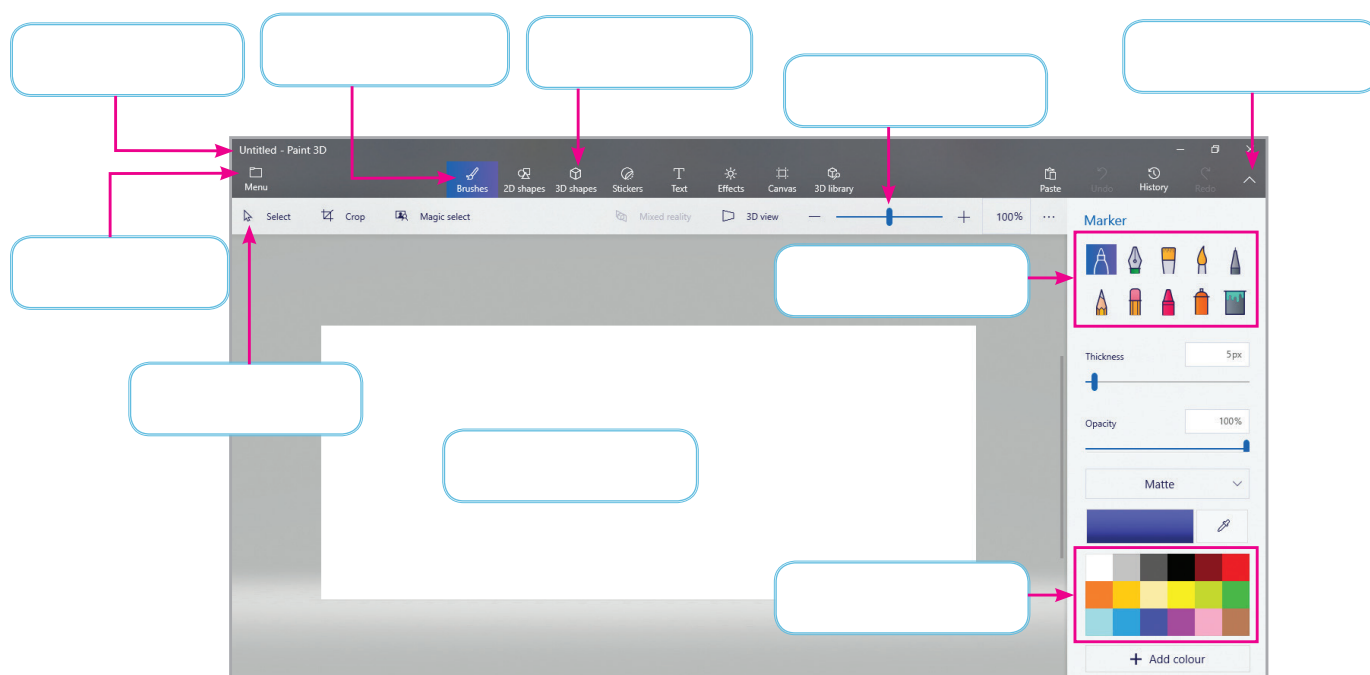
**B. Name the tools of the following:**

1. It opens up color palette and brush options. .............................

2. It toggles tool name on and off. .............................

3. It displays a 2D shapes library and options. .............................

4. It opens 3D library and options to draw 3D shapes. .............................

**C. Write steps to add 2D text.**

..................................................................................

..................................................................................

..................................................................................

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# LET'S LEARN PAINT 3D

**A.** **Write 'T' for true and 'F' for false.**

1. You can change the colour in a shape by clicking on Edit color option. ..............

2. You can save and open a saved file by clicking on the Menu option. ..............

3. Grab points appear around a shape when you draw it. ..............

4. The Fill tool is used to add colour inside a shape. ..............

**B.** **Fill in the blanks using the hints given below:**

**Hints:** Menu, Brushes, Canvas, Colour palette, Names toggle

1. .............................. displays options such as New, Open, Insert, etc.

2. .............................. tools opens a panel on the right side of the drawing area and displays brush options and color palette.

3. .............................. is the drawing area of Paint 3D.

4. .............................. displays the colour options available with an option to add more colour.

5. .............................. tool is used to show or hide the tool names.

**C.** **Answer the following questions:**

1. Write the steps to fill colour in a shape.

...........................................................................................................

...........................................................................................................

2. What is a grab point? Write the names of any two such tools.

...........................................................................................................

...........................................................................................................

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# INTRODUCTION TO INTERNET

**A.  Tick (✓) the correct option.**

1.  Which of these is a commonly used web browser?

a.  MS Word ☐          b.  Google Chrome ☐

c.  Notepad ☐          d.  None of these ☐

2.  Which of these is the first page of a website?

a.  Home page ☐          b.  New page ☐

c.  Web page ☐          d.  First page ☐

3.  Which of these is used to open websites?

a.  WWW ☐          b.  Web Browser ☐

c.  Web Page ☐          d.  Home page ☐

**B.  Fill in the blanks using the hints given below:**

**Hints:** Website, Internet, Web Page

1.  ..................... is stored in an electronic form on a computer connected to the Internet.

2.  World Wide Web is the largest collection of information in the form of websites on the ..................... .

3.  ..................... is a collection of web pages under one website address.

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

1.  A website is a collection of related web pages. ..............

2.  Microsoft Edge comes pre-installed with new editions of Windows. ..............

3.  Website contains many pages. ..............

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## INTRODUCTION TO INTERNET

**A.  Guess who am I?**

1.  I am the network of millions of computer.  ............................

2.  I am the first page of a website.  ............................

3.  I am the short form of World Wide web.  ............................

**B.  Answer the following questions:**

1.  Write one advantage of using Internet.

    ....................................................................................................................

2.  What is web browser?

    ....................................................................................................................

3.  What are the requirements for an Internet Connection?

    ....................................................................................................................

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

1.  You can send and receive e-mails on the Internet.  ...............

2.  A webpage may contain text, pictures, sounds, etc.  ...............

3.  We cannot share information with others on Internet.  ...............

4.  World Wide Web is not a part of the Internet.  ...............

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CLASS 3

## STEPWISE THINKING

**A.  Tick (✓) the correct option.**

1.  A computer understands step-by-step instructions written only in a unique
    .............................. .

    a.  language ☐        b.  pattern ☐

    c.  step ☐            d.  line ☐

2.  What is the act of repeating an action again and again known as?

    a.  Pattern ☐        b.  Looping ☐

    c.  Stepwise thinking ☐   d.  Sequence ☐

3.  Which of the following is the first step in preparing fruit salad?

    a.  cut the fruits ☐     b.  add ingredients ☐

    c.  arrange fruits ☐     d.  eating the fruits ☐

**B.  Number the given steps to sharpen a pencil and write in the notebook.**

☐ Rotate it clockwise.

☐ Take a sharpner, a pencil and a notebook.

☐ Insert the pencil in the sharpner.

☐ Write "Hello World" with the pencil in the notebook.

**C.  Tick (✓) the picture which is a loop and cross (✗) which are not.**



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CLASS 3

# STEPWISE THINKING

**A.** **Number the steps to organise a birthday party.**

☐ Inform family members and friends about the party place through phone calls or e-mail.

☐ Make a list of family members and friends to be invited.

☐ Greet the guest with love and warmth.

☐ Start and enjoy the party.

☐ Decide the time and place for the party.

**B.** **Fill in the blanks using the hints given below.**

**Hints:** problem solving, loop, stepwise thinking, Decision making

1. The process of completing one step and going onto the other is known as ........................ .

2. Repeating a set of steps is a ........................ .

3. ........................ is a process of arriving at a conclusion by making a choice.

4. ........................ is the action or process of finding solutions.

**C.** **Answer the following questions:**

1. Write the three main steps to complete a task.

.........................................................................................................................

.........................................................................................................................

2. Define loop with a suitable example.

.........................................................................................................................

.........................................................................................................................

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WORKSHEET ①

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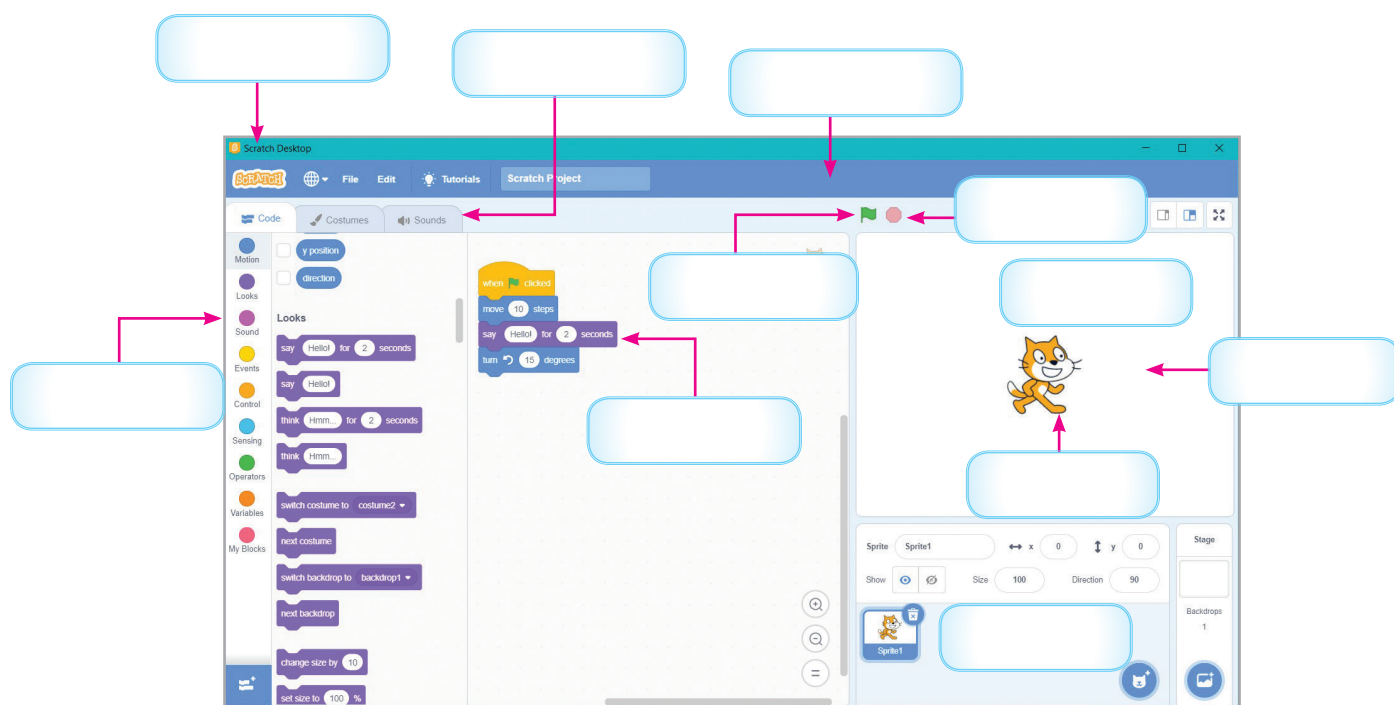
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# INTRODUCTION TO SCRATCH

**A.    Label the components of the Scratch desktop.**



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

1.    Costumes tab is used to change the appearance of the Sprite. ...............

2.    Scratch is a software which helps you to understand and create many games. ...............

3.    Edit option is used to save a Scratch project. ...............

4.    The stage area shows the movement of the sprites. ...............

**C.    Guess my name.**

1.    I add and change the sound of the sprite. ...................................

2.    I contain list of all blocks and categories. ...................................

3.    I add and change appearance of the sprite. ...................................

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# INTRODUCTION TO SCRATCH

**A.** **Tick (✓) the correct option.**

1. ..................... is the area where the sprite performs its actions.

   a. stage ☐    b. script ☐

   c. sprites info pane ☐    d. backdrop ☐

2. Which of the following blocks are used to control the movement of the sprite?

   a. Looks ☐    b. Event ☐

   c. Motion ☐    d. Sound ☐

3. Which of the following blocks is responsible for the appearance of the sprite?

   a. Events block ☐    b. Looks block ☐

   c. Motion block ☐    d. Sensing block ☐

**B.** **Match the following:**

1. Code tab      a. Contain blocks

2. Costume tab      b. Change appearance of sprite

3. Sound tab      c. Cat by default

4. Green flag      d. Adds sound to the sprite

5. Sprite      e. Runs a program

**C.** **Answer the following questions:**

1. What is the use of Looks blocks?

   ..................................................................................

   ..................................................................................

2. Write the steps to add a new Sprite.

   ..................................................................................

   ..................................................................................

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WORSHEET ①

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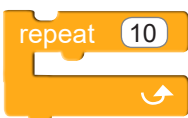
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# MORE ON SCRATCH

**A.** **Look at the colour and identify the type of block.**

● ....................................................................................

● ....................................................................................

● ....................................................................................

● ....................................................................................

● ....................................................................................

● ....................................................................................

● ....................................................................................

**B.** **Write the functions of the following blocks:**

1. `go to x: -100 y: -34` ....................................................................................

2. `turn ↻ 15 degrees` ....................................................................................

3. `Clear Graphic Effects` ....................................................................................

4. `start sound Meow ▾` ....................................................................................

5. `repeat 10` ....................................................................................

6. `wait 1 secs` ....................................................................................

7. `show` ....................................................................................

8. `forever` ....................................................................................

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## MORE ON SCRATCH

**A.** **Tick (✓) the correct option.**

1. What is the color of Looks block?

   a. Pink ☐          b. Purple ☐

   c. Blue ☐          d. Red ☐

2. Which of the following blocks is used to draw a shape?

   a. Wait ☐          b. Pen ☐

   c. Control ☐       d. Motion ☐

**B.** **Fill in the blanks using the hints given below:**

**Hints:** looks, think, pink, go to, repeat

1. ..................... blocks are purple in colour.
2. ..................... adds a thought bubble to the sprite.
3. ..................... blocks are pink in colour.
4. ..................... block is used to fix the position of the sprite.
5. ..................... block is used to draw shapes.

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

1. You can only move a sprite forward in scratch. ............
2. Looks block is used to add a speech bubble to the sprite. ............
3. We cannot add sound to the sprites in scratch. ............
4. Events blocks are used to actually control the sprite. ............

**D.** **Answer the following questions:**

1. What is the use of Events block?

   ..........................................................................................

2. What happens when a forever block is used in a script?

   ..........................................................................................

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WORSHEET 1

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## APPLICATIONS OF AI

**A. Answer the following questions:**

1. Which device can play songs, set alarms, answer calls, etc.?

   ..........................................................................................................

2. Which device can measure your pulse rate, count your steps, etc.?

   ..........................................................................................................

3. Name the device that is used to make an online chat conversation.

   ..........................................................................................................

**B. Choose the correct answers from the hints given in the box and write them in front of the pictures.**

**Hints:** Smartphone, Smart Doorbell, Chatbot, Smartwatch

1. 

   ..........................................................

2. 

   ..........................................................

3. 

   ..........................................................

4. 

   ..........................................................

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# APPLICATIONS OF AI

**A.  Match the following with their names:**

1.            a.  Smart speaker

2.            b.  Driverless car

3.            c.  Smartphone

4.            d.  Smart TV

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

1.  Smart TVs are AI-enabled TVs.                          ............................

2.  A driverless car is also called a self-driving car.     ............................

3.  A smart speaker can show you movies.                    ............................

4.  A smartphone uses AI for a variety of tasks.            ............................

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WORKSHEET ①

Chapter-9

CLASS 3

# INTRODUCTION TO ROBOTS

**A.  Tick (✓) the correct option.**

1.  Which of the following greets customers?
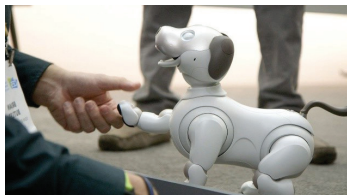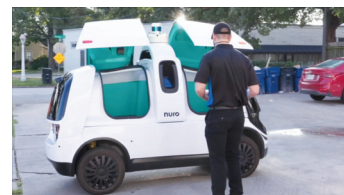
a.  ☐
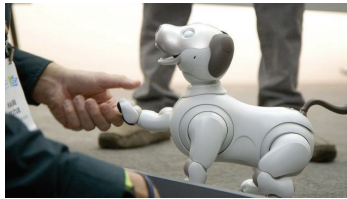
b.  ☐

c.  ☐

d.  ☐

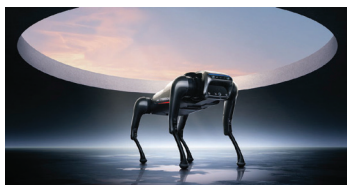2.  Which of the following needs an access pin to unlock?

a.  ☐

b.  ☐

c.  ☐

d.  ☐

**B.  Identify the robot using given clues and write its name:**

1.  It also enjoys being petted.

............................................................................

2.  It can understand many different languages.

............................................................................

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WORSHEET ②

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Chapter-9

CLASS 3

# INTRODUCTION TO ROBOTS

**A.** **Write A for advantage and D for disadvantage in the given circle after identifying the statement.**

1. Robots never get bored.

2. Robots are very expensive.

3. Robots work with high accuracy.

4. Robots cannot think on their own.

5. Robots can work in places that are dangerous for humans.

**B.** **Rearrange the following letters to form a meaningful word:**

1. MTIAR          ......................

2. UNRO          ......................

3. BOIA          ......................

4. RBOAER          ......................

**C.** **Paste the picture of your favourite robot.**

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