

## 1. Discover Computers



### Word Bank

Do it yourself.

### Rapid Fire

1. a. (i)                      b. (i)                      c. (ii)
2. a. Office                      b. Hospital                      c. Home                      d. School                      e. Bank
3. b. Electricity                      c. Lap                      d. Shops

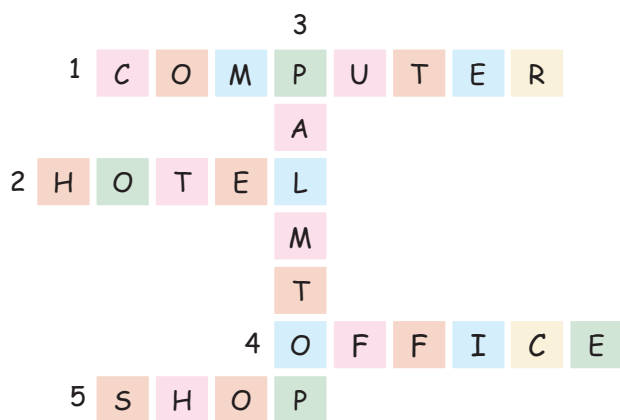
### Evaluation Time

1. a. Laptop                      b. Computer                      c. Bank
2. a. 1. Humans can make mistakes. A computer never makes a mistake.  
2. Humans get tired of working continuously for a long time. A computer is capable of working continuously for a long time without getting tired.  
3. Humans can take their own decisions. A computer cannot take decision on its own. It requires human instructions to work.  
b. You can place it on your lap and work on it. It can be carried easily from one place to another.  
c. 1. Home                      2. Bank                      3. School
3. a. To calculate and print the bill.  
b. Tablet

### Activity Time

1. a. Telephone                      b. Laptop                      c. Tablet

2.



### Find Out

Do it yourself.



### In The Lab

Do it yourself.

## 2. Operating a Computer



1. Start Button

2. Taskbar

3. Icon

### Word Bank

Do it yourself.

### Rapid Fire

1. a. (ii)      b. (i)      c. (iii)
2. a. T      b. F      c. F
3. a. Desktop      b. Start      c. Taskbar

### Evaluation Time

1. a. Shut down      b. UPS      c. Monitor      d. Power
2. a. Desktop      b. Start button      c. Taskbar



3. a. To turn on a computer, Nitin should follow these steps:

**Step 1:** Press the main power button.

**Step 2:** Switch on the UPS.

**Step 3:** Press power button on the CPU.

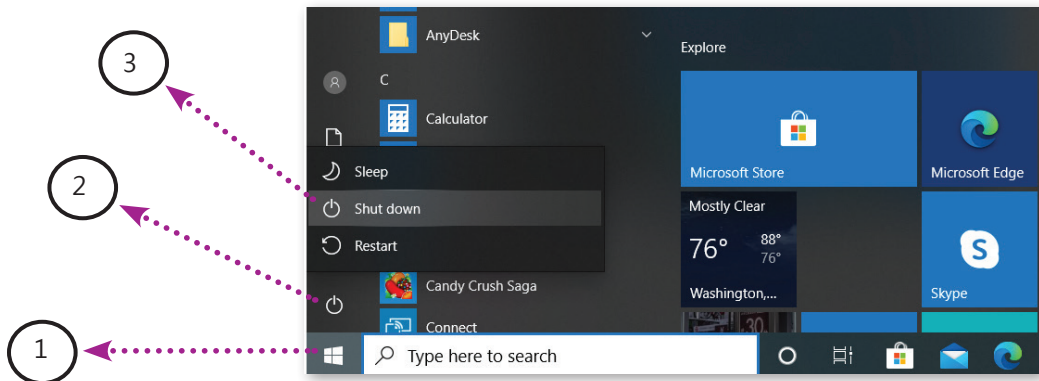
**Step 4:** Switch on the monitor.

- b. The screen is called the desktop and the small pictures on the screen are the icons.

### Activity Time

1. 3, 2, 1, 4

2.



### Find Out

Do it yourself.



### In The Lab

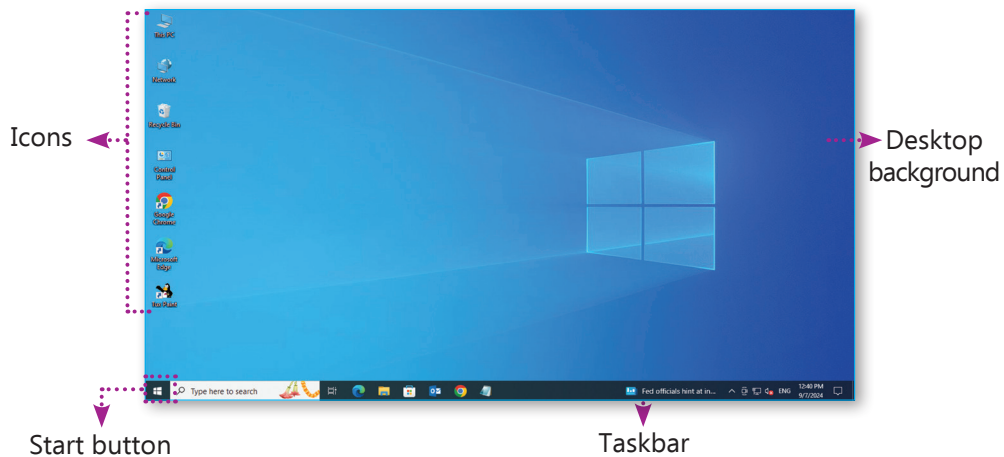
Do it yourself.

## Periodic Assessment 1

(Based on chapters 1 & 2)

- A. 1. Offices  
2. Hospitals  
3. Banks  
4. Schools

B.



### 3. Working of a Computer



1. Input, Output, Process

2. Process, Input, Output



#### Word Bank

Do it yourself.

#### Rapid Fire

1. a. (ii)                      b. (i)                      c. (iii)
2. a. Output                      b. Input                      c. Output                      d. Output

#### Evaluation Time

1. a. IPO                      b. Keyboard                      c. Printer                      d. CPU
2. a. The working of the computer is called processing.  
b. The instructions that we give to the computer are called input and the result we get is called output.



c. A computer works in three steps Input → Process → Output. This process is called IPO Cycle.

d. Input devices: 1. Keyboard 2. Mouse

Output devices: 1. Monitor 2. Printer

## Activity Time

1.



O



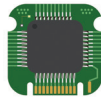
I



I



O



P

2. a.



b.



c.



d.



e.



In The Lab

Do it yourself.

## 4. Fun with Keyboard



1. Alphabet Keys
4. Caps Lock Key

2. Backspace Key
5. Enter Key

3. Number Keys
6. Spacebar Key

### Word Bank

Do it yourself.

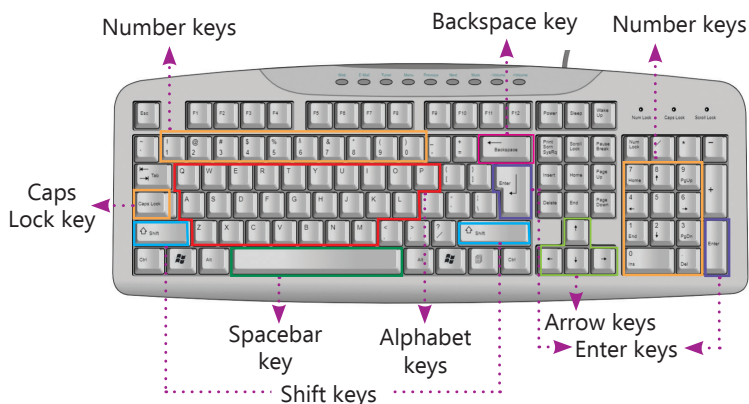
### Rapid Fire

1. a. (i)                      b. (iii)                      c. (ii)                      d. (i)
2. a. Caps Lock Key                      b. Spacebar Key                      c. Symbol Keys
3. b. 26                      c. 1                      d. 1                      e. 1                      f. 2

### Evaluation Time

1. a. Left arrow                      b. Shift                      c. Cursor control
2. a. Caps Lock Key helps us to type capital letters.  
b. Backspace key is used to erase the numbers and letters on the left of the cursor. Whereas, Delete key erases the letters and numbers one by one from the right of the cursor.  
c. We type symbols by pressing the symbol key, and if the symbol is above a number or another symbol, we press the Shift key and the symbol key together.  
d. There are four Arrow keys on a keyboard. They help us to move the cursor on the monitor screen.

### Activity Time



## Hands-On

Do it yourself.



## In The Lab

Do it yourself.

# Periodic Assessment 2

(Based on chapters 3 & 4)

A.

Input
1. Apples
2. Kiwi
3. Berries
4. Strawberry
5. Salt

Processing
Chopping and mixing



B.

1. Number key

a.



2. Spacebar Key

b.



3. Arrow Key

c.



4. Symbol Key

d.



## Test Sheet 1

(Based on chapters 1 to 4)

- A.** 1. (iii)                      2. (i)                      3. (ii)                      4. (i)
- B.** 1. input                      2. desktop                      3. output                      4. CPU  
5. laptop                      6. home
- C.** 1. The first screen that appears when we start a computer is called desktop.  
2. A computer is used to send e-mail in office.  
3. A computer works in three steps: Input → Process → Output. This process is called IPO Cycle.
- D.** 1. Input: Keyboard, Process: CPU, Output: Printer  
2. A scanner is a machine which copies the picture or text from a paper onto a computer.  
3. To shut down a computer, follow these steps:  
**Step 1:** Click on the Start button.  
**Step 2:** Click on the Power button. A menu with three options appears.  
**Step 3:** Click on the Shut down option.  
**Step 4:** A window with the message Shutting down appears. After a few seconds, the computer will switch off.  
**Step 5:** Now, switch off the monitor.  
**Step 6:** Next, switch off the UPS.  
**Step 7:** Switch off the main power button

## 5. Fun with Tux Paint



- |                         |    |  |
|-------------------------|----|--|
| 1. Stickers             | a. |  |
| 2. Open a saved drawing | b. |  |
| 3. Special effects      | c. |  |
| 4. Type name            | d. |  |





## Word Bank

Do it yourself.

## Rapid Fire

1. a. (iii)                      b. (i)                      c. (ii)                      d. (ii)
2. a. T                      b. F                      c. F

## Evaluation Time

1. a. canvas                      b. toolbox                      c. Tux paint                      d. new
2. a. Toolbox, colors palette, Drawing canvas, Up arrow, Down arrow, Selector pane and Help area.  
b. You can use stamp tool by following the given steps:  
**Step 1:** Click on the Stamp tool from the Toolbox.  
**Step 2:** Click arrows from the Selector Pane to see more categories of stamps like birds, animals, etc.  
**Step 3:** Click on the stamp you like. Click on the Drawing Canvas to add the stamp.  
c. Text tool is used to type text in the drawing area.  
d. Magic tool is used to add special effects to a drawing. You can draw beautiful sceneries by adding magic effects like grass, flowers, cartoon characters, sound, etc. to your drawing using Magic tool.
3. a. Text Tool  
b. Open Tool

## Activity Time

- |               |              |               |
|---------------|--------------|---------------|
| a. MAGIC TOOL | b. SAVE TOOL | c. QUIT TOOL  |
| d. STAMP TOOL | e. TEXT TOOL | f. PAINT TOOL |

## Find Out

Do it yourself.



## In The Lab

Do it yourself.

## 6. More on Paint



1. Ribbon

2. Home

3. Color picker

4. Text



1. Diamond

2. Pentagon

3. Curve

4. Polygon

5. Rounded Rectangle

### Rapid Fire

1. a. (iii)                      b. (i)                      c. (iii)                      d. (iii)
2. a. (F)                      b. (F)                      c. (F)                      d. (T)                      e. (T)

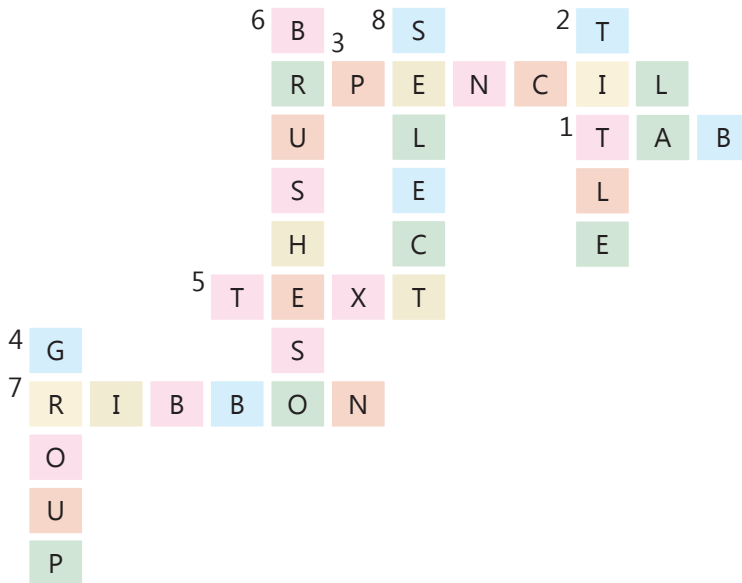
### Evaluation Time

1. a. Title bar              b. pencil              c. Select
2. a. Quick access toolbar contains the most frequently used tools in Paint.  
b. The Color picker tool is used to pick a colour from the picture and use it to colour.  
c. Foreground colour means the colour that is in front.  
d. To draw a rounded rectangle, follow these steps:  
**Step 1:** Click on the Home tab.  
**Step 2:** In the Shapes group, click on the Rounded Rectangle shape.  
**Step 3:** Click on the Size box and select the line thickness.  
**Step 4:** Drag the mouse on the Drawing Area to draw a rounded rectangle.
3. a. Text tool.  
Follow these steps to write the title:  
**Step 1:** Click on the Home tab.  
**Step 2:** Click on the Text tool from the Tools group.  
**Step 3:** Drag the mouse pointer to the drawing area and click where you want to write the text.  
A text box appears with the cursor blinking in it.  
**Step 4:** Type your text in the text box. When done, click anywhere outside the text box to end.  
b. Rohit will find the brush options in the Brushes tool under the Home tab in Paint.

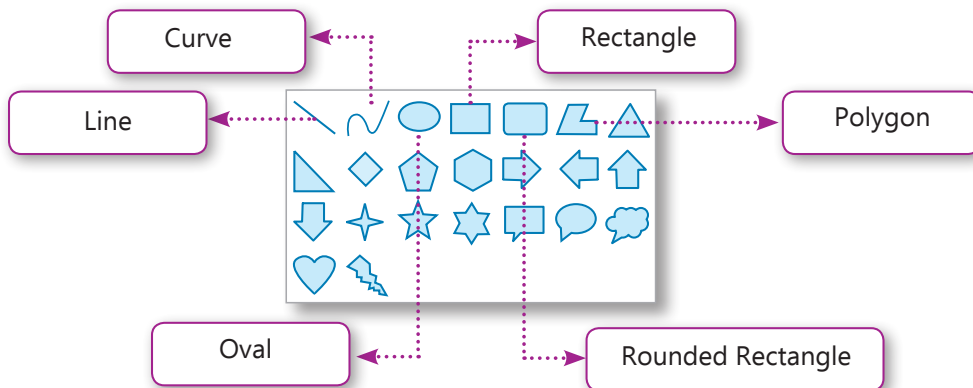


## Activity Time

1.



2.



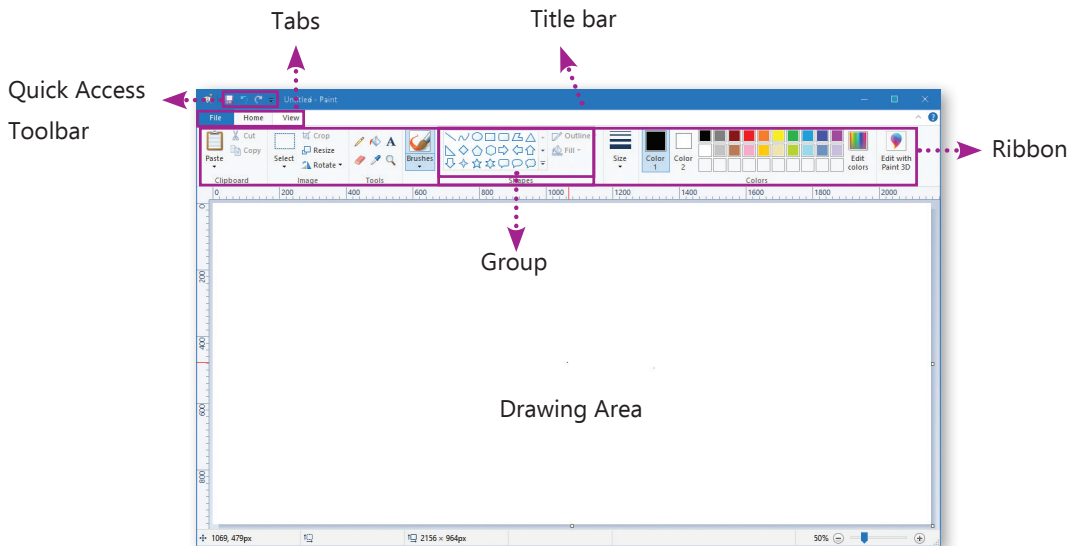
**In The Lab**

Do it yourself.

# Periodic Assessment 3

(Based on chapters 5 & 6)

A.



- B.
1. Quit tool is use to close Tux Paint.
  2. Magic tool is used to add special effects to a drawing.
  3. Text tool is used to type text in the drawing area.
  4. Selector pane shows the different options available for each tool.
- C.
1. Curve Shape
  2. Stamp Tool
  3. Polygon Shape
  4. Open Tool

## 7. Reasoning and Analysis



A. 1. b

2. a

B.



### Rapid Fire

1. a. (i)                      b. (iii)
2. a. T                         b. F

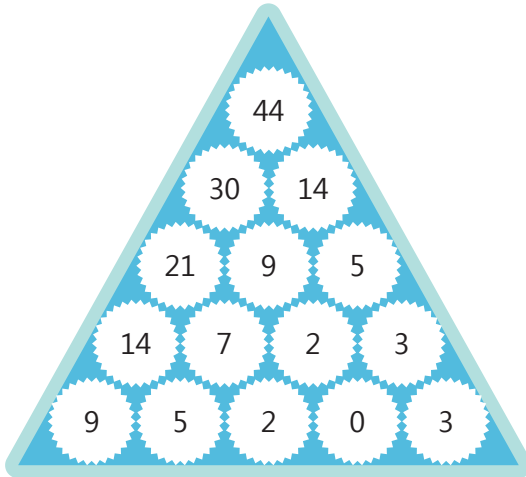


## Evaluation Time

- Decoding is the process of converting a hidden message to a meaningful text.
- RAC

## Activity Time

1.



2. HELLO FRIEND!



In The Lab

Do it yourself.

## 8. Artificial Intelligence Around Us



- Artificial Intelligence
- Voice Assistant

2. Navigation Apps



- a
- a

## Rapid Fire

1. a. (iii)                      b. (iii)                      c. (i)
2. a. F                          b. F                          c. T                          d. T

## Evaluation Time

1. a. Voice Assistants                      b. Robots  
c. Navigation                      d. Recognise
2. a. Snapchat                      b. Google Maps
3. a. Cleaning the floor                      b. Alexa

## Activity Time

- a. Serving food
- b. Helping in surgeries
- c. Cleaning the house
- d. Lifting in a factory



## In The Lab

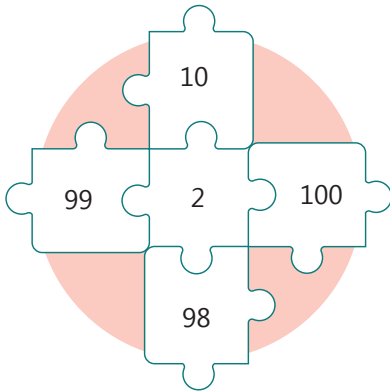
Do it yourself.



# Periodic Assessment 4

(Based on chapters 7 & 8)

A.



B. 1. Robots

2. Google Maps

3. Alexa

4. Google Assistant

i.



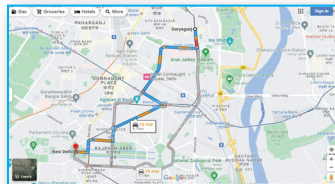
ii.



iii.



iv.



## Test Sheet 2

(Based on chapters 5 to 8)

- A.** 1. (ii)                      2. (iii)                      3. (iii)
- B.** 1. Spacebar      2. Title bar      3. Canvas      4. Toolbox      5. Backspace
- C.** 1. 1. Caps Lock key 2. Enter key 3. Backspace key  
2. Shape tool is used to draw curved shapes.  
3. Hexagon has six sides.
- D.** 1. There are four Arrow keys on a keyboard. They help us to move the cursor on the monitor screen.  
2. You can move one part of an image from one place to another by using Select tool.  
3. To start Tux Paint, follow these steps:  
**Step 1:** Click on the Start button.  
**Step 2:** Scroll down to find Tux Paint program and click on it.

