Class 3

Answer Key

1. Introduction to Windows 10

TECH SET GO (Page no. 7)

Do it yourself.

BYTE QUEST (Page no. 14)

1. Normal Select
2. Screen Saver
3. View option
4. Start Button

TECH READY

A. 1. (ii)   2. (ii)   3. (ii)   4. (ii)

B. 1. Microsoft Corporation   2. Icons   3. Desktop   4. Text select

C. 1. T   2. F   3. T   4. F

D. 1. (e)   2. (d)   3. (b)   4. (a)   5. (f)   6. (c)

E.
1. Icons and Taskbar are two components of Windows 10 desktop.
2. The image in the background of the icons is called desktop background.
3. The four-headed arrow shape of a mouse pointer is used for moving pictures.
4. To sort desktop icons, follow the given steps:

   Step 1: Right-click on the desktop and select Sort by option.

   Step 2: Click any option to arrange the icons in that order.
5. To shut down the computer, follow the given steps:

   Step 1: Click on the Start button.

   Step 2: Click on the Power option.

   Step 3: Select the Shut down option.

1. THIS PC
2. RECYCLE BIN
3. START BUTTON
4. FOLDER
5. CLOCK

Competency-based/Application-based questions

She can use Screen Saver option.

2. Editing and Formatting on Word

TECH SET GO (Page no. 18)

Do it yourself.

BYTE QUEST (Page no. 30)

1. Calibri, 11
2. Sentence case, lowercase
3. Text effects

TECH READY

A. 1. (iii) 2. (ii) 3. (ii) 4. (iii) 5. (i) 6. (iii)

B. 1. right 2. Line 3. bullet 4. Select, Backspace
5. Blue

C. 1. (b) 2. (e) 3. (a) 4. (c) 5. (d)

D. 1. Font is the look of the alphabet on the screen. The default font is Calibri.

2. Align Left, Align Right, Center and Justify are the different types of alignment.

3. Place the cursor to the right of the text and press Backspace key.

4. a. Bold means darker text. Underline means a line under text.

b. Editing is used to make changes in documents by using editing tools such as:

- Copy, cut and paste text
- Select and delete text
- Drag and drop text
- Check Spelling and grammar

Formatting is used to improve appearance of text into a document by using formatting tools such as:

- Change font name and font size

- Make the text bold, italic, and underlined
- Modify line spacing in documents
- Change page layout and margins

c. Undo is used to cancel the command. Redo is used to reverse the action of Undo command.

d. Copying the text means the selected text will remain at its original location as well as at the place where it is pasted.

Cutting the text means the selected text will disappear from its original location and will appear at another location where it is pasted.

5. To highlight the text, follow these steps:

Step 1: Select the text.

Step 2: Click on Home Tab.

Step 3: Click on the drop-down arrow of the Text Highlight color button.

Step 4: Choose the desired color.

6. While creating a document you might require a word with a similar meaning. Thesaurus can find a synonym for a word in the document.

7. a.Selecting text is used to make changes in the existing text.

b.Inserting text is used to add some more text to an already written document.

TECH TWISTER

A. 1. Text effects 2. Changing font color 3. Formatting 4. Bullet

B. 1. Select 2. Home 3. Copy 4. Paste

Competency-based/Application-based questions
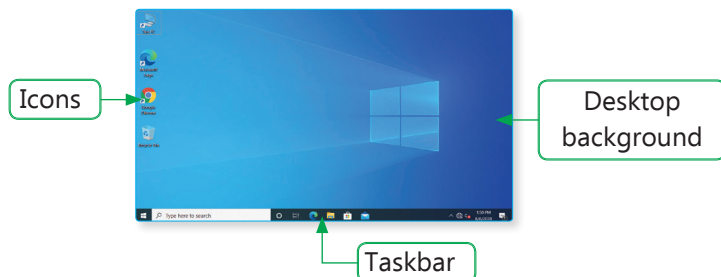
1. Bullets tool 2. Line Spacing

Periodic Assessment 1

(Based on chapters 1 & 2)

A. 1 Busy 2. Double-headed Arrow 3. Normal Select

4. Four-headed Arrow 5. Working in Background 6. Text Select

B. 1. Ctrl + B 2. Italic 3. Ctrl + A 4. Copy

5. Paste 6. Ctrl + X 7. Ctrl + Z 8. Redo

C.

Icons →

Desktop background →

Taskbar

3. Let's Learn Paint 3D

TECH SET GO (Page no. 38)

1. 2D shapes, Triangle
2. 2D shapes, Circle
3. 3D shapes, Cylinder
4. 3D shapes, Cube

BYTE QUEST (Page no. 43)

1. (e)   2. (d)   3. (a)   4. (c)   5. (b)

TECH READY

A. 1. (i)   2. (ii)   3. (i)   4. (iii)   5. (i)

B. 1. Edit color   2. Canvas   3. Brushes   4. Color palette

C. 1. F   2. F   3. F   4. T   5. T

D. 1. When you draw a shape in the drawing area, a dotted boundary around the shape can be seen. The points on the dotted boundary are called Grab Points.

2. Names Toggle tool has an option for hiding/showing the tool names.

3. The options under the 3D Shapes tool are:

Open 3D library, 3D doodle, 3D objects, and 3D models.

4. To create 3D shapes, follow the given steps:

Step 1: Click on the 3D shapes tool.

Step 2: Select the desired shape you want to draw in 3D objects option.

Step 3: Click and drag the mouse on the canvas to draw the shape.

5. To add 3D text, follow the given steps:

Step 1: Click on the Text tool.

Step 2: Click on the 3D text option.

Step 3: Choose the font style, size, colour and alignment you want for your text.

Step 4: Click on the Canvas and type text in the text box.

⚙ TECH TWISTER

1. Title bar   2. Canvas   3. Eraser tool   4. Stamp
5. Fill tool   6. 3D shapes tool

Competency-based/Application-based questions

1. Effects option   2. (ii) Stamp

4. Introduction to Internet

TECH SET GO (Page no. 52)

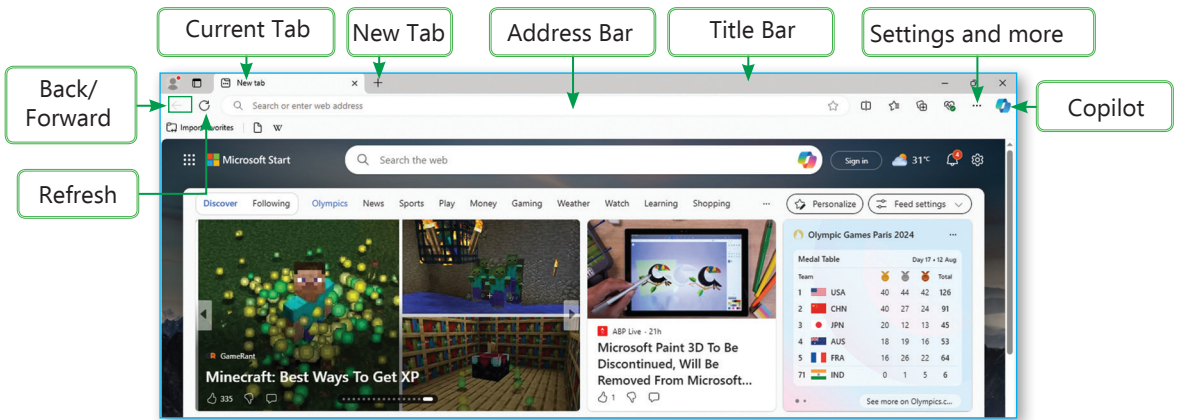## 🤖 BYTE QUEST (Page no. 55)

Do it yourself.

TECH READY

A.   1. (iii)   2. (ii)   3. (iii)

B.   1. T   2. T   3. F   4. F

C.   1. Website is a collection of related web pages that provide information. It is like a book that contains many pages.

2. Web browser is a special software. It is used to get information from different websites.

3. Internet is a network in which millions of computers are connected to one another to share information. Internet is used to search information on any topic and send or receive e-mail messages.

4. Title Bar, Current Tab, New tab

Back/Forward • Refresh • Current Tab • New Tab • Address Bar • Title Bar • Settings and more • Copilot

Competency-based/Application-based questions

1. A modem or a network card

2. Refresh

5. Stepwise Thinking

TECH SET GO (Page no. 57)

4. Wear uniform

6. Go to school

5. Have breakfast

1. Wake up early

2. Brush teeth

3. Take a bath

CODE QUEST (Page no. 60)

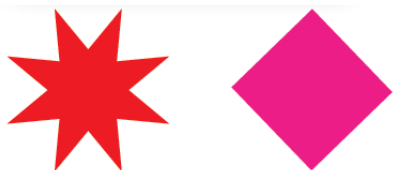Step 1: Take bread, butter, cucumber, tomato, onion, and a cheese slice.

Step 2: Cut the cucumber, tomato, and onion into slices.

Step 3: Take two slices of bread and spread butter on them.

Step 4: Add the cucumber slice, onion slice, tomato slice, and cheese slice between the breads.

Step 5: Your sandwich is ready to eat.

CODE QUEST (Page no. 60)

TECH READY

A. 1. (i) 2. (ii) 3. (ii) 4. (ii)

B. 1. Output 2. Two 3. Otherwise 4. Smaller

C. 1. Sometimes we keep on listening same song again and again. This is an example of loop.

2. To do any task, follow these general steps:

   Step 1: List the main steps of the task.

   Step 2: Divide each main step into smaller steps.

   Step 3: Follow the sequence of steps.

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

TECH TWISTER

A. 1. school bag 2. time table 3. books and notebooks, first half.

4. second 5. pencil box

B. 1.

✓ Hoola hoop

2.

☐ Brushing

3.

☐ Eating

Competency-based/Application-based questions

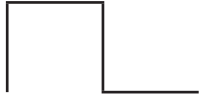1. Step 1: Boil 1 and a half cups of water in a pan.

Step 2: Open the Maggi packet and take out the noodles and the tastemaker.

Step 3: Once the water boils, add the noodles and tastemaker to the pan.

Step 4: Stir the noodles and cook them for 2-3 minutes.

Step 5: Once the water is mostly absorbed and the noodles are cooked, your Maggi is ready to eat!

2.

Periodic Assessment 2
(Based on chapters 3 to 5)

A.   1. World Wide Web   2. Home Page   3. Website   4. Internet

B.

Yes ✓

No ☐

C.

Title Bar   Brushes Tool   3D shapes Tool   Zoom Slider   Names Toggle Tool

Options Tool
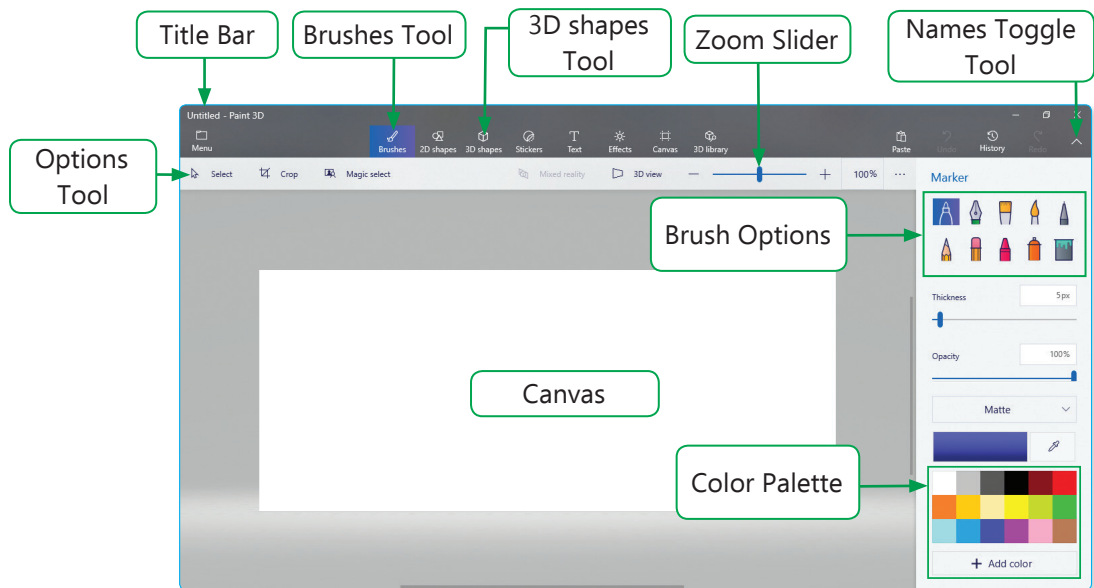
Brush Options

Canvas

Color Palette

Test Sheet 1

(Based on chapters 1 to 5)

A. 1. (ii)   2. (i)   3. (iii)   4. (iii)   5. (i)   6. (ii)

B. 1. Microsoft Corporation   2. Right   3. Bullet   4. Canvas

5. Smaller

C. 1. F   2. F   3. T   4. T   5. F

D. 1. (e)   2. (d)   3. (b)   4. (a)   5. (f)   6. (c)

E. 1. To sort desktop icons, follow the given steps:

Step 1: Right-click on the desktop and select the Sort by option.

Step 2: Click any option to arrange the icons in that order.

2. Editing is used to make changes in the text of a document by using editing tools, such as:

- Copy, cut and paste text
- Select and delete text
- Thesaurus
- Check Spelling and grammar

Formatting is used to improve the appearance of text in a document by using formatting tools such as:
- Change font and font size
- Make the text bold, italic, and underlined
- Modify line spacing in documents
- Add bullets and numbering

3. 3D Library is used to add 3D objects.

4. New Tab, Address Bar, Title Bar, Refresh, Current Tab

5. Decision making is the process of arriving at a conclusion by making a choice.

6. Introduction to Scratch

TECH SET GO (Page no. 68)

Do it yourself.

CODE QUEST (Page no. 72)

1. Go Button   2. Stop Button   3 Coding Area

A. 1. (i)   2. (ii)   3. (ii)   4. (ii)   5. (ii)

B. 1. T   2. F   3. F   4. F   5. T

C. 1. b   2. a   3. d   4. e   5. c

D. 1. Sprite is an actor/object in Scratch that performs the function on stage area.

2. Title Bar, Menu Bar, Stage Area

3. To change the backdrop, follow the given steps:

Step 1: Click on the Choose a Backdrop option.

Step 2: Click on a backdrop to add it to your project.

4. To change the appearance of a sprite, follow the given steps:

Step 1: Click on the Costumes tab.

Step 2: Select the part of a sprite by clicking on it or select the entire sprite by making a selection by dragging.

Step 3: Click on the Fill and Outline options to change the colours of the cat and the outline.

TECH TWISTER

1. Sounds Tab   2. Code Tab   3. Costumes Tab

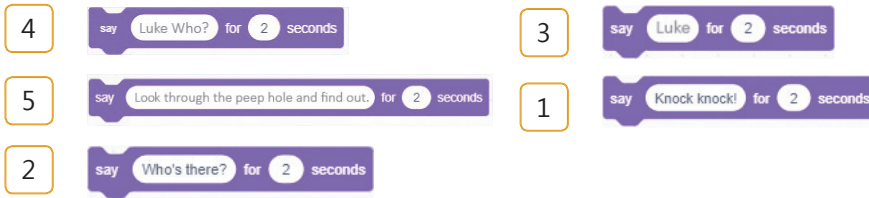**Competency-based/Application-based questions**

1. To add a sprite, follow the given steps:

Step 1: Click on the Choose a Sprite option.

Step 2: Click on a Sprite to add it to your project.

2. Costumes tab.

7. More on Scratch

TECH SET GO (Page no. 76)

1. Choose a Sprite   2. Choose a Backdrop

3. Stop Button   4. Go Button

CODE QUEST (Page no. 78)

4 | say `Luke Who?` for `2` seconds
3 | say `Luke` for `2` seconds

5 | say `Look through the peep hole and find out.` for `2` seconds
1 | say `Knock knock!` for `2` seconds

2 | say `Who's there?` for `2` seconds

TECH READY

A. 1. (i)   2. (iv)   3. (i)   4. (iii)

B. 1. Say   2. Go to   3. Sound   4. Move

C. 1. T   2. T   3. F   4. T

D. 1. say…for…seconds block

2. Motion blocks are used to control the movement of a Sprite on the stage.

3. Wait block pauses the running of the script for the number of seconds given in the block.

4. Control blocks have looping blocks which are used when the same blocks have to be repeated for a number of times. Repeat block and Forever block are control blocks.

TECH TWISTER

1. Turns the Sprite clockwise by the given degrees.
2. To stop all sounds being played on all Sprites.
3. Used to say something for a given time.
4. Repeats a set of blocks for a given number of times.

Competency-based/Application-based questions

1. Sound Blocks

2. go to block

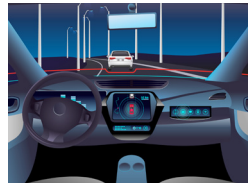# Periodic Assessment 3
(Based on chapters 6 & 7)

A. 1. Motion Blocks   2. Looks Block   3. Looks Block

4. Sound Block   5. Control Block   6. Motion Blocks

B. 1. It is used to choose a sprite and add it to your project.

2. It is the red button which on clicking stops the running Scratch program.

C. 1. Sprite moves 10 steps and then backdrop changes to desert.

2. Turns the sprite by 15 degrees in clockwise direction and plays the sound of meow.

3. Speech bubble appears on the sprite that says 'Hello!' and changes the costume of the sprite.

4. Speech bubble appears on the sprite for 2 seconds that says 'Hello!' and sprite turns by 90 degrees in clockwise direction.

8. Applications of AI

TECH SET GO (Page no. 87)

AI QUEST (Page no. 90)

1. SMART DOORBELL   2. SMART TV   3. CHATBOT   4. SMARTWATCH

TECH READY

A. 1. (ii)   2. (i)   3. (i)

B. 1. Driverless car   2. Smart TVs   3. Smart doorbell

4. Chatbot

C. 1. T   2. F   3. T   4. F

D. 1. The three tasks of a smartphone are:

a. face recognition

b. voice assistants

c. navigation

2. A smart video doorbell combines the function of a smart doorbell and a security camera.

☑ ☐ ☑ ☑

☐ ☐ ☑ ☐

Competency-based/Application-based questions

1. Smartphone   2. Driverless Car

9. Introduction to Robots

TECH SET GO (Page no. 94)

Do it yourself.

Ai QUEST   (Page no. 97)

1.   Aibo   2.   Robear

TECH READY

A.   1. (i)   2. (i)   3. (iii)

B.   1. Mitra   2. Dog   3. Robear   4. Robot

C.   1. F   2. T   3. F   4. T

D.   1. (b)   2. (c)   3. (e)   4. (a)   5. (d)

E.   1.   Two advantages of robots are as follows:

• Robots work with high accuracy.

• Robots can keep doing the same thing repeatedly.

2.   Robear, CyberDog

1 MITRA   2. AIBO   3. CYBER DOG   4. ROBEAR

Competency-based/Application-based questions

1. Nuro   2. Aibo

Periodic Assessment 4
(Based on chapters 8 & 9)

A. 1. Aibo   2. Nuro   3. CyberDog   4. Mitra   5. Robear

B. 1 Smartphones uses AI for a variety of tasks such as face recognition, voice assistants, navigation, weather status, photo filter, games, etc.

2. Smartwatches can tell you about your heart beat, count your steps, etc.

3. Smart TV allows its users to play music, movies, or change channels using Internet. And all this can be controlled with your voice.

4. A smart doorbell is an AI-enabled doorbell that informs the home owner on their mobile when a visitor arrives at the door.

5. A smart speaker is a device that accepts our voice commands to play music, provides answers to questions asked, and even makes a phone call.

6. A driverless or self-driving car uses AI to travel between destinations without human help.

Test Sheet 2
(Based on chapters 6 to 9)

A. 1. (ii)   2. (ii)   3. (ii)   4. (i)   5. (iii)

B. 1. Say   2. Sound   3. Driverless car 4. Smart TVs   5. Robear

C. 1. F   2. F   3. T   4. T   5. F

D. 1. (d)   2. (b)   3. (e)   4. (a)   5. (c)

E. 1. Title Bar, Menu Bar, Stage Area

2. To change the appearance of a sprite, follow the given steps:

   Step 1: Click on the Costumes tab.

   Step 2: Select the part of a sprite by clicking on it or select the entire sprite by making a selection by dragging.

   Step 3: Click on the Fill and Outline options to change the colours of the cat and the outline.

3. Wait block pauses the running of the script for the number of seconds given in the block.
4. The three tasks of a smartphone are:

   a. face recognition

   b. voice assistants

   c. navigation
5. Two advantages of robots are as follows:

   • Robots work with high accuracy.

   • Robots can keep doing the same thing repeatedly.