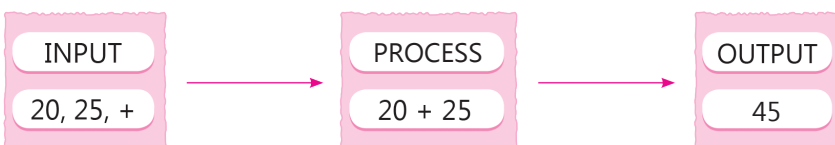


## 1. A Computer System

### EXERCISE



- A. 1. c                      2. b                      3. a                      4. a
- B. 1. Microphone      2. CPU                      3. Monitor              4. Input devices
- C. 1. Scanner              2. Microphone      3. Speakers              4. CPU
- D.



- E. 1. CPU is the processor that does all the calculations, runs all the programs and manages all the operations.  
2. A computer works on the IPO cycle (Input-Process-Output).
- F. 1. Application software is used to perform a specific task.  
Example of application software is Paint.  
2. All the physical components of a computer system are called hardware. These are the parts which we can see or touch. Examples of hardware are keyboard and printer.
- G. Anaya can use microphone to record her song on the computer.

## 2. A Computer System

### EXERCISE



- A. 1. a                      2. b                      3. b                      4. a
- B. 1. Random Access Memory      2. Read Only Memory  
3. GB                                      4. USB

- C. 1. Primary storage device 2. Primary storage device  
3. Secondary storage device 4. Secondary storage device
- D. 1. Hard disk is a type of secondary storage device. It is permanently fixed in the CPU box.  
2. Primary memory is the main memory of the computer. CPU can directly access this memory.
- E. 1. RAM is a temporary memory. The information stored in this memory is lost when the computer is turned OFF, whereas ROM is permanent in nature, i.e., it holds the data even if the system is switched OFF. It holds the instructions that are required to start a computer.  
2. Flash drive is a small portable data storage device.

Example of Flash drive is Pen drive that can store a large amount of data. It can be carried in your pocket easily.

- F. External hard disk

### IN THE LAB

Do it yourself.

## Periodic Assessment-1

(Based on chapters 1 & 2)

- A. 1. Printer 2. Webcam 3. Headphones 4. Microphone  
B. 1. T 2. F 3. T 4. T  
C.



2



1



4



3

## 3. Let's Know about Windows 10

### EXERCISE



- A. 1. b 2. b 3. a
- B. 1. Microsoft Corporation 2. Desktop 3. Windows 10 4. Icons
- C. 1. Two components of Windows 10 desktop are: Icons and taskbar  
2. Taskbar is a long horizontal bar located at the bottom of the desktop. It helps to manage various currently active programs.



- D.** 1. To change the desktop background, follow these steps:
- Step 1** Right-click anywhere on the desktop. Click on Personalize option from the pop-up menu. A dialog box will appear.
  - Step 2** Click on **Background** in the left pane.
  - Step 3** Click on the arrow located below the Background option in the right pane. Select Picture option from the drop down list.
  - Step 4** Select any picture from the displayed list.
- A preview of the desktop with the selected picture appears in the window.
2. To sort the icons, follow the given steps:
- Step 1** Right-click on any blank area of the desktop. From the shortcut menu or pop-up menu, click on Sort by option. A submenu appears.
  - Step 2** Click on any one option to arrange the icons in that order.
- E.** He should click on the Show desktop icons to uncheck it.

#### IN THE LAB

Do it yourself.

## 4. Introduction To Word 2016

### EXERCISE



- A.** 1. c                      2. a                      3. c                      4. c
- B.** 1. F                      2. T                      3. T                      4. T
- C.** 1. Cut                      2. Undo                      3. Paste
- D.** 1. Word 2016 can be used to type letters, stories, reports, etc. in a simple way.  
2. Quick Access Toolbar, Ribbon and Text/Document Area.
- E.** 1. To create a new file, follow the given steps:
- Step 1** Click on File tab.
  - Step 2** Click on New option.
  - Step 3** Click on Blank document option from the Available Templates
2. In Word 2016, spelling mistakes are shown by red wavy line and grammatical mistakes by blue wavy line.
- To correct spelling and grammar, follow these steps:
- Step 1** If you see red wavy or blue wavy line under a word, right click on it.
  - Step 2** Choose and click the correct spelling or word from the suggestions to replace the incorrect word.

F. Select Open option.

2

Find location of your document.

3

Click on the File tab.

1

Click on the Open button.

5

Select the file to be opened.

4

#### IN THE LAB

Do it yourself.

## 5. More on Paint

### EXERCISE



- A. 1. c                      2. c                      3. a                      4. c
- B. 1. T                      2. T                      3. F                      4. F
- C. 1. Zoom tool is used to get the closer and bigger look of the drawing.  
2. Rotate command is used to rotate the drawing in different angles.

|       |  |   |
|-------|--|---|
| D. 1. | <b>Copy/Paste</b>  | <b>Cut/Paste</b>  |
|       | Copy and Paste commands give the duplicate image of a drawing. | Cut and Paste commands delete the image from one place and paste it to another place. |

2. To flip an image, follow these steps:

- Step 1** Click on **Home** tab.
- Step 2** Click on **Select** command and then click on Rectangular selection.
- Step 3** Select the image by dragging the mouse over it.
- Step 4** Click on **Rotate** command. You will see two options to flip.
- Step 5** Click on Flip horizontal or Flip vertical.

- E. 1. Sahil should use the Copy and Paste command.  
2. Rihana should use the Zoom In command.

### Hands-On



Do it yourself.

#### IN THE LAB

Do it yourself.



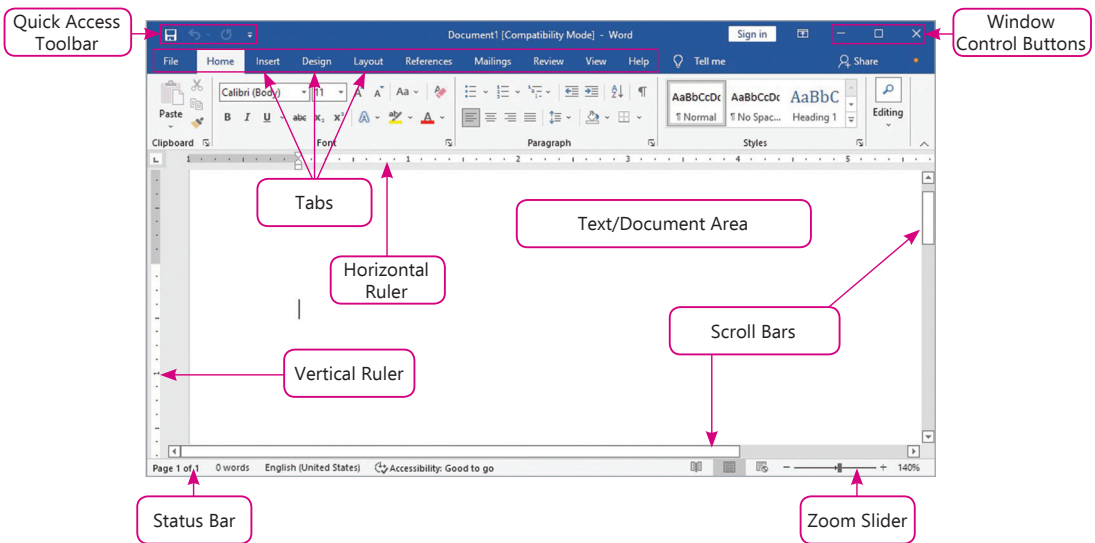
4



# Periodic Assessment–2

(Based on chapters 3 to 5)

A.



B. 1. This PC

2. Recycle Bin

3. Folder

C. 1. d

2. c

3. a

4. e

5. b

# Test Sheet–1

(Based on chapters 1 to 5)

## Section A

A. 1. c

2. b

3. c

4. c

B. 1. Icons

2. USB

3. Read Only Memory

4. Windows 10

## Section B

- A. 1. The basic unit for measuring the memory of a computer is **byte**.  
2. Rotate command is used to change the position of the drawing at different angles.  
3. Taskbar is a long horizontal bar located at the bottom of the desktop.

B. 1. To create a new file in Word 2016, follow the given step:

**Step 1** Click on File tab.

**Step 2** Click on New option.

**Step 3** Click on Blank document option from the Available Templates.

2. Primary memory is the main memory of the computer. CPU can directly access this memory. RAM is a temporary memory. The information stored in this memory is lost when the computer is turned OFF.

ROM is permanent in nature, i.e., it holds the data even if the system is switched OFF. It holds the starting instructions that are required to start a computer.

3. To sort the icons, follow the given steps:

**Step 1** Right-click on any blank area of the desktop. From the shortcut menu or pop-up menu, click on Sort by option. A submenu appears.

**Step 2** Click on any one option to arrange the icons in that order.

## 6. Pivot Animator

- A.** 1. a                      2. b                      3. a
- B.** 1. Add Frame                      2. Player Controls  
3. Segment Handle                      4. Status Bar
- C.** 1. Pivot Animator is a free and simple tool to make animations with stick figures.  
2. Saving an animation project means storing your animation on your computer. Saved projects can be opened later or shared with others.
- D.** 1. Exporting an animation means turning your project into a finished file, like a GIF or video.  
2. To create a figure in Pivot Animator, follow the given steps:  
**Step 1** Click on the **File** menu.  
**Step 2** Select the **Create Figure Type option**.  
**Step 3** Click on the **Add Line** tool.  
**Step 4** Click on the segment handle and draw a line.
- E.** 1. Loop option  
2. Segment Handle

### Hands-On

Do it yourself.

### IN THE LAB

Do it yourself.

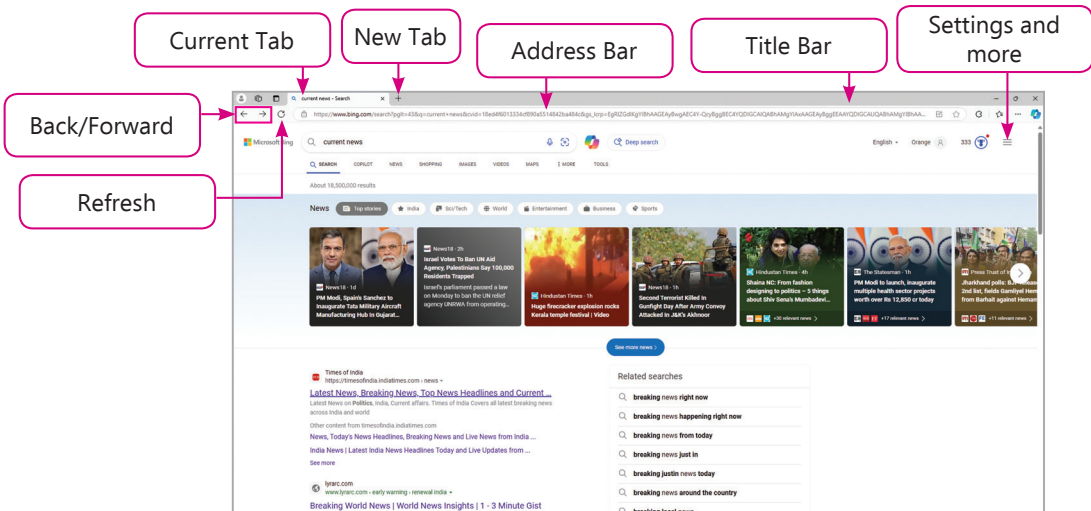


# 7. Introduction To Internet

## EXERCISE



- A. 1. c                      2. b                      3. c
- B. 1. T                      2. T                      3. F                      4. T
- C.



- D. 1. A website is a collection of related web pages that provide information. It is like a book that contains many pages.
2. We get information from different websites. These websites open in a special software known as web browser.
- E. 1. Internet is a network in which millions of computers are connected to one another to share information. It is also called International Network. We can use Internet to send and receive e-mail messages.
2. Microsoft Edge is the most common web browser available almost on every computer as it comes with all new editions of Windows. The three main parts of Microsoft Edge are as given:
- Title Bar
  - Menu Bar
  - Toolbar.
- F. 1. Things Mr. Sharma needs:
- A computer
  - A telephone or cable line
  - A modem or a network card

- Software (Web browser)
- A company that provides Internet connection

## 2. Microsoft Edge

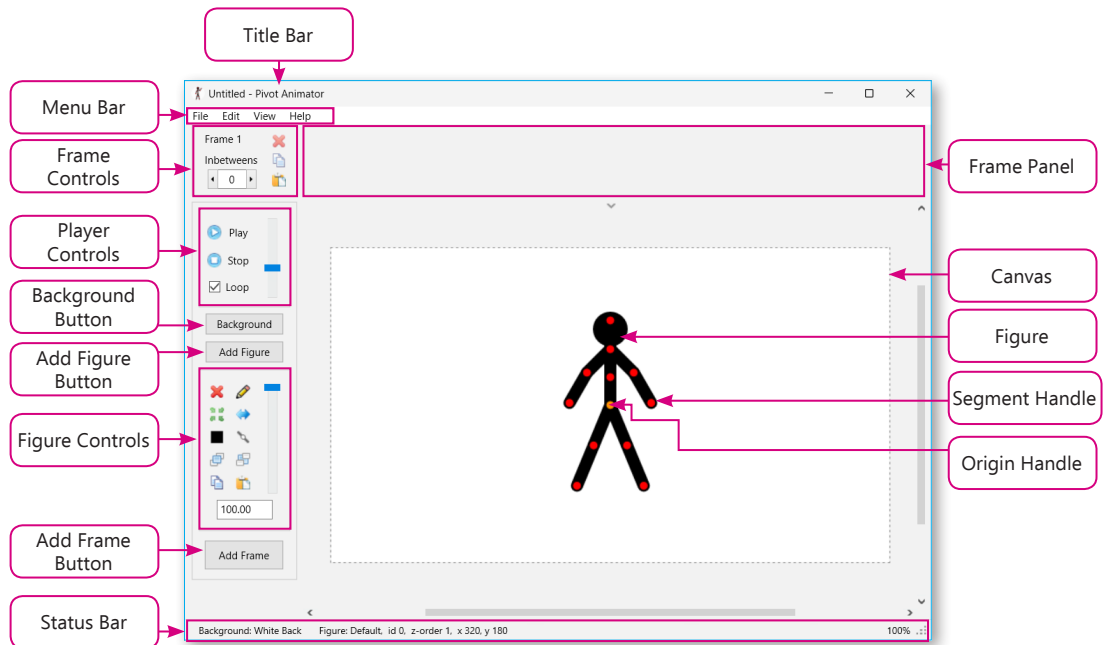
### IN THE LAB

Do it yourself.

## Periodic Assessment–3

(Based on chapters 6 & 7)

A.



B. 1. World Wide Web

2. Address Bar

3. Website

4. Internet

C. 1. Microsoft Edge

2. Mozilla Firefox

3. Google Chrome





## 8. Stepwise Thinking

### EXERCISE



A. 1. a 2. c 3. b 4. c

B. a.



b.



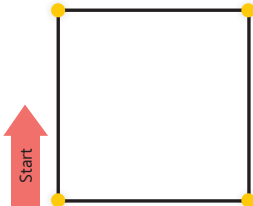
c.



- C. 1. stepwise thinking 2. two choices
- D. 1. An example of a loop in real life can be seen in the process of brushing your teeth  
2. To make a strawberry milkshake, follow the given steps:
- Step 1 Prepare the strawberries
  - Step 2 Blend the ingredients
  - Step 3 Taste and adjust sweetness
  - Step 4 Serve
  - Step 5 Optional toppings
  - Step 6 Enjoy

E. 1. Loop

2.



IN THE LAB

Do it yourself.

## 9. Introduction to Scratch

### EXERCISE



A. 1. b 2. b 3. b 4. b

- B.** 1. F                      2. F                      3. F                      4. T
- C.** 1. b                      2. a                      3. d                      4. e                      5. c
- D.** 1. Scratch is a software which helps you to understand and create many games.  
2. Three components of Scratch desktop are Sprite, Script and Block menu.  
3. Motion blocks are used to control the movement of a Sprite
- E.** 1. To change the appearance of the sprite, follow the given steps:
- Step 1** Click on the Costumes tab. An image of the selected sprite appears in the tab. Here the selected sprite is cat.
- Step 2** Click on the image of the sprite. Drag the selection blue border to select the cat. A border appears around it.
- Step 3** Click on Fill and Outline options to change the colours of the cat and the outline.
2. To save a project, follow the given steps:
- Step 1** Click on File tab.
- Step 2** Select Save to your computer option. The Save as dialog box appears.
- Step 3** Open the location where you want to save the project. Type the name in the File name box.
- Step 4** Click on the Save button
- F.** She can click on the Choose a Sprite tool in the Sprites Info Pane.
- G.** 1. The sprite will move 10 steps and the backdrop will change into desert.  
2. The sprite will say Hello! and will switch the costume to costume2.

### IN THE LAB

Do it yourself.

## 10. AI-Enabled Devices

### EXERCISE



- A.** 1. b                      2. c                      3. c                      4. b
- B.** 1. Self-driving                      2. Chatbot  
3. Speakers                      4. Smartphones
- C.** 1. d                      2. e                      3. c                      4. a                      5. b
- D.** 1. Smart TVs are AI enabled TVs and can perform many tasks. Smart TV allows its users to play music, movies, or play games using Internet and all this can be controlled with your voice.  
2. Face recognition



- E.** 1. Smartwatches are wrist watches that provide a variety of features that traditional watches don't have. They can measure your pulse rate, count your steps, etc.  
2. Chatbot is an AI application used to make an online chat conversation.
- F.** c

### IN THE LAB

Do it yourself.

## Periodic Assessment-4

(Based on chapters 8 to 10)

- A.** 1. Smart speaker    2. Driverless car    3. Chatbot    4. Smartphone
- B.** 1. Coding Area    2. Backdrop    3. Go Button    4. Scratch
- C.** 1. c    2. d    3. a    4. b
- D.** Yes

## Test Sheet-2

(Based on chapters 6 to 10)

### Section A

- A.** 1. b    2. c    3. c    4. a
- B.** 1. Program    2. Chatbot    3. Stage area    4. Smartphones

### Section B

- A.** 1. Smart TVs are AI enabled TVs and can perform many tasks. Smart TV allows its users to play music, movies, or play games using Internet and all this can be controlled with your voice.  
2. Stepwise thinking  
3. Motion Blocks are used to control the movement of a Sprite.
- B.** 1. Smartwatches are wrist watches that provide a variety of features that traditional watches don't have. They can measure your pulse rate, count your steps, etc.  
2. An example of a loop in real life can be seen in the process of brushing your teeth.  
3. To change appearance of a Sprite, follow the given steps:
- Step 1** Click on the **Costumes tab**. An image of the selected sprite appears in the tab. Here the selected sprite is cat.
- Step 2** Click on the image of the sprite. Drag the selection blue border to select the cat. A border appears around it.
- Step 3** Click on Fill and Outline options to change the colors of the cat and the outline.