1. Hardware and Software

Quiz Bee
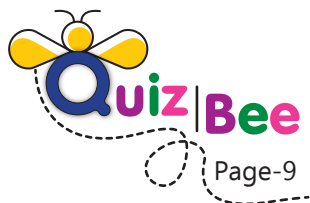Page-9

Answer:

1. CPU

2. Keybpard is used to type numbers and letters on the computer.

ASSESS YOURSELF

1. a. (iii)   b. (ii)   c. (iii)   d. (iii)   e. (i)

2. a. ALU   b. three   c. hardware   d. CPU box

3. a. Joystick   b. CPU   c. Operating System   d. PowerPoint

4. System software is a set of programs that control overall functioning of a computer whereas, application software is used to perform a specific task.

5. a. Hardware is the physical components of a computer system that you can physically touch and feel.

   b. A computer is a diligent machine and can work for very long times without getting tired or bored.

   c. IPO cycle refers to Input-Process-Output cycle, in which input is given to the computer and output is received after processing is done on the input.

   d. Output devices are the devices on which we get the results of our work. Monitor and Printer are examples of output devices.

6. a. Microphone   b. Paint

7. a. Output   Process   Input

b. Input   Output   Process

c. Process   Input   Output

{C⊙DING Z⊙NE}

Do it yourself

2. Windows 7—An Introduction

Quiz|Bee
Page-22
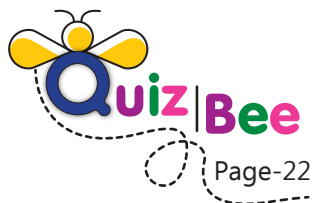
Answer: 1. Graphical User Interface   2. Icons

ASSESS YOURSELF

1.   a. (ii)   b. (ii)   c. (i)   d. (i)   e. (iii)

2.   a. Operating System   b. Booting   c. Icons   d. Taskbar

3.   a. Start button   b. Desktop

4.   a. Word is used to type letters.

     b. Icons are small images used to access applications.

     c. To change the desktop background, follow these steps;

       ❶ Right-click on the desktop. Choose Personalize option.

       ❷ Click on Desktop Background.

       ❸ Select any picture.

       ❹ Click on save changes.

     d. Taskbar is a long horizontal bar located at the bottom of the desktop.

5.   a. This PC   b. Recycle Bin   c. Network   d. Folder   e. Start Button

# Periodic Assessment–1

(Based on chapters 1 & 2)

1.   a. Joystick   b. Microphone   c. Printer   d. Monitor   e. Speaker

     f. Pen Drive

2.
3	Click on Change button.
2	Click on Adjust date/time option.
1	Right-click on Clock.
4	Click on down arrow to select month, date and year.
5	Click on Change button.

3.   a. MS Word   b. Speakers

3. Word 2010—An Introduction
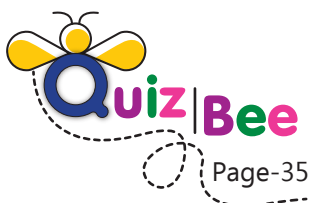
Answer: 1. File Tab   2. Minimize

ASSESS YOURSELF

1.   a. (i)   b. (iii)   c. (ii)   d. (iii)   e. (i)

2.   a. document   b. open   c. horizontal   d. print

3.   a. F   b. F   c. T   d. T

4.   a. Word is used to type letters.

   b. To create a document, follow these steps:

   ❶ Click on the File tab.

   ❷ Select the New option.

   ❸ Click on the Blank document option.

   ❹ Click on Create button.

   c. To save a document, follow these steps:

   ❶ Click on the File tab.

   ❷ Select the Save or Save As option.

   ❸ Select the location of the file.

   ❹ Type the desired name for your file in the File name box.

   ❺ Click on Save button.

Department, Management, Development, Announcement

4. Editing Text in Word 2010

Quiz Bee
Page-43

Answer: 1. Editing   2. Delete

ASSESS YOURSELF

1.	a. (i)	b. (i)	c. (ii)	d. (iii)	e. (ii)
2.	a. T	b. F	c. F	d. F	
3.	a. (ii)	b. (v)	c. (i)	d. (iii)	e. (iv)
4.	a. (ii)	b. (v)	c. (i)	d. (iii)	e. (iv)

4. Undo is used to cancel the last command whereas, redo is used to reverse the action of Undo command.

5. a. Selecting a text necessary before editing because it indicates the text that will be modified.

   b. Copy command is used to duplicate a text from one part of a document to another.

   c. To insert text in a document, click on the area where you want o insert the text and start typing.

   d. To move text, follow these steps:

   ❶ Select the text.

   ❷ Click on Home tab.

   ❸ Click on Cut command.

GNITIDE

Periodic Assessment–2

(Based on chapters 3 & 4)

1. a. Shift + right arrow   b. Shift + up arrow

   c. Ctrl + Shift + right arrow   d. Ctrl + Shift + left arrow   e. Ctrl + A

2. a. Shift + End   b. Ctrl + C   c. Ctrl + Y   d. Quick Access Toolbar

   e. Ctrl + S   f. Status bar

3. **1** File

   2 Print

   3 Print

4. Undo

Test Sheet–1

(Based on chapters 1 to 4)

1. a. (iii)   b. (iii)   c. (i)   d. (ii)   e. (ii)

   f. (iii)   g. (iii)   h. (iii)   i. (i)

2. a. Three   b. Hardware   c. Control unit   d. Booting

   e. Icons   f. Open   g. Horizontal

3. a. T   b. T   c. F   d. F   e. F

   f. T   g. F   h. F

4. a. Hardware is the physical component of a computer system that we can feel and touch.

   b. To create a presentation, we use MS PowerPoint.

   c. Desktop is the main screen of Windows 7 operating system.

   d. Windows 7 is a graphical user interface and it is quite user-friendly.

   e. Undo, Redo and Save commands are present on the Quick Access Toolbar.

5. a. System software is a set of programs that control overall functioning of a computer whereas, application software is used to perform a specific task.

   b. To change the desktop background, follow these steps;

   1 Right-click on the desktop. Choose Personalize option.

   2 Click on Desktop Background.

   3 Select any picture.

   4 Click on save changes.

   c. Taskbar is a long horizontal bar located at the bottom of the desktop. To pin an application to the taskbar, right click on the application and click on the Pin to taskbar option.

d. To save a document, follow these steps:

   1 Click on the File tab.

   2 Select the Save or Save As option.

   3 Select the location of the file.

   4 Type the desired name for your file in the File name box.

   5 Click on Save button.

e. To insert text in an existing document, click where you want to insert text. A cursor appears, start typing. The text will inserted.

5. More on Paint

ASSESS YOURSELF

1. a. (ii)   b. (ii)   c. (i)   d. (ii)   e. (iii)

2. a. (ii)   b. (i)   c. (iv)   d. (iii)

3. a. T   b. T   c. F   d. F

4. a. Fill color tool is used to fill colour in your drawing.

    b. Rotate command is used to rotate the image.

    c. Polygon shape.

    d. To flip an image, follow these steps:

      1 Click on the Home tab.

      2 Click on the Select command.

      3 Click on the Rectangular Selection.

      4 Select the image by dragging the mouse over it.

      5 Click on the Rotate command. You will see two options to flip.

   **6** Click on Flip horizontal or Flip vertical option.

    e. To resize an image, follow these steps:

      1 Click on the Home tab.

      2 Click on the Select command.

      3 Click on the Rectangular Selection.

      4 Select the image by dragging the mouse over it.

      5 Click on Resize, the Resize and Skew dialog box appears.

      6 Select the Maintain aspect ratio check box.

7 Enter the Horizontal value (width) or Vertical value (height).

8 The image will be resized.

5. Copy/Paste command is used to create a duplicate of the image without removing the original image whereas, Cut/Paste command is used to move an image from one part of the canvas to another part.

6. Stepwise Thinking

Answer:

4	2	6
1	3	5
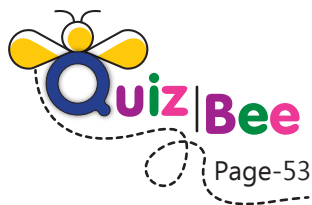
ASSESS YOURSELF

1. a. (i) b. (ii) c. (ii)

2. a. Stepwise thinking b. organised c. Main steps d. Think

3. a. Stepwise thinking helps in converting complicated tasks into simple steps to make our work easy.

   b. Reasoning is the process of thinking about the task in a logical or sensible way. It helps you to choose the correct option from the available options.

   c. It is the process of creating a set of instructions that tell a computer how to perform a particular task.
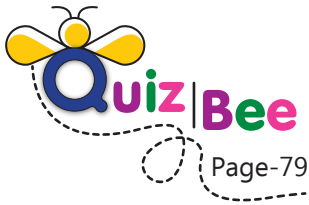
{CODING ZONE}

If (Like Computers)

Raise Hands

7. Introduction to Scratch Programming

Quiz Bee

Page-79

Answer: 1. Cat   2. Motion

ASSESS YOURSELF

1. a. (ii)   b. (i)   c. (i)   d. (i)

2. a. (ii)   b. (iii)   c. (v)   d. (iv)   e. (i)

3. a. programmer   b. visual   c. character   d. stop

4. a. Scratch is a visual programming language that is used to create computer animation, games and stories.

    b. Motion block is used to control the movements of the sprite.

    c. Stage, Sprite, Blocks Palette.

    d. To open an existing project, follow the given steps:

    1 Click on the File menu.

    2 Select the Open option.

    3 Select the file you want to open.

    4 Click on the Open button.

{CODING ZONE}

a. 2+15+15+11 = 43

b. 13+5+4+9+3+9+14+5 = 62

Periodic Assessment–3

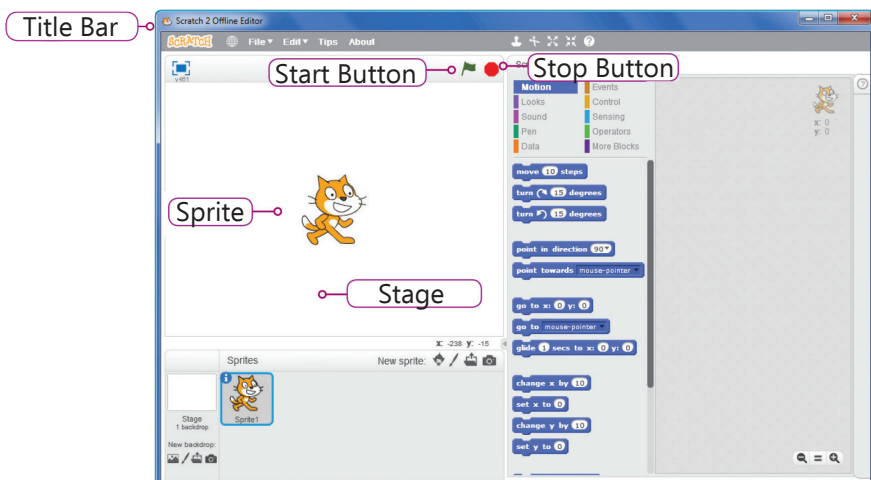### (Based on chapters 5 & 7)

1. Oval Tool   Rectangle Tool   Triangle Tool   Line Tool
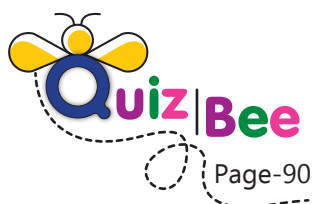
2.

3. a. (i)   b. (ii)   c. (iv)   d. (v)   e. (iii)

4. He should first place the sandwich and then put the filling one by one and the place the 2nd piece of bread on the sandwich to make the sandwich.

8. Internet—An Introduction

Page-90

Answer: 1. Router   2. Internet Service Provider

ASSESS YOURSELF

1. a. (ii)   b. (i)   c. (iii)   d. (i)

2. a. (F)   b. (T)   c. (T)   d. (T)

3. a. ARPANET   b. URL   c. Google

4. Web page are digital pages on the Internet whereas, websites refer to a collection of webpages.

5. a. Internet is an interconnected network of computers that can share data among themselves.

    b. To connect a computer to the internet, you need modem, Telephone Connection, Internet Connection, Web browser and a computer system.

    c. Search engines are used to seach for information on the Internet.

6. a. SAFARI   b. GOOGLE CHROME   c. MOZILLA FIREFOX

    d. MODEM

{CODING ZONE}

Do it yourself

9. Introduction to Robotics

Quiz Bee
Page-98
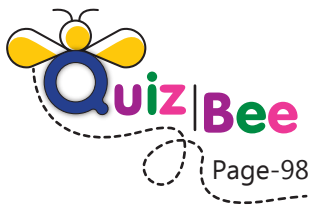
Actuators

ASSESS YOURSELF

1. a. (ii)   b. (ii)   c. (i)   d. (ii)

2. a. Manually   b. Sensors   c. Less

3. Sensors are devices that help the robots to obtain information from their surrounding much like the sensory organs in a human being whereas, a controller is a computer program that is used to control the function of a robot.

4. a. A robot is a programmable machine that imitates the action or appearance of humans.

    b. The characteristics of robots are consistency and speed.

    c. AI or Artificial Intelligence is a type of technology that makes robots or machines act and think like humans.

5. a. Goalkeeper   b. Nao   c. Mobile Robot

{CODING ZONE}

1. 19514191518   2. ★

Periodic Assessment–4

(Based on Chapters 8 & 9)

1. a. Internet   b. Website   c. E-mail   d. Flipkart   e. URL
   f. World Wide Web
2. a. MARCBOT   b. Mobile Robot   c. Ruby   d. NAO

Test Sheet–2

(Based on chapters 5 to 9)

1. a. (i)   b. (iii)   c. (iii)   d. (i)   e. (ii)
   f. (i)   g. (i)   h. (i)   i. (i)
2. a. Flip   b. Rotate   c. step by step   d. main steps   e. think
   f. organised   g. visual   h. character   i. Stop
3. a. F   b. T   c. T   d. T   e. T
   f. T   g. F
4. a. Fill colour tool is used to fill colours in your drawing.

   b. Reasoning is the process of thinking about the task in a logical or sensible way.

   c. Motion blocks are used to control the movement of the sprite.

   d. The components of the scratch window are titlebar, stage and sprite.

   e. Website is a collection of web pages.
5. a. To flip an image, follow these steps:

   ① Click on the Home tab.

   ② Click on the Select command.

   ③ Click on the Rectangular Selection.

   ④ Select the image by dragging the mouse over it.

   ⑤ Click on the Rotate command. You will see two options to flip.

   ⑥ Click on Flip horizontal or Flip vertical option.

   b. Stepwise thinking means converting a complicated task into small or simple steps, to make our work easy. It also lets us know about missing steps, so that we can rewrite the plan before its execution.

   With the help of stepwise thinking, we can complete a task or solve a problem without any complications.

   c. Programming refers to the process of instructing a computer to perform a task.

d. To open an existing project, follow the given steps:

    1 Click on the File menu.

    2 Select the Open option.

    3 Select the file you want to open.

    4 Click on the Open button.

e. Internet refers to the interconnected network of millions of computers around the world.