

1. The Computer System

Exercise

- A. 1. b. 2. b. 3. c. 4. a.
 B. 1. Memory 2. CU 3. Supercomputers 4. Microcomputers
 C. 1. micro 2. CU 3. CPU 4. information 5. hard copy
 D.

1.



2.



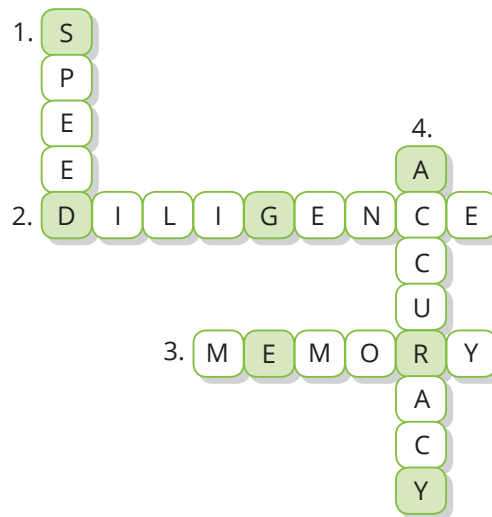
3.



- E. 1. The three parts of CPU are ALU, MU and CU.
 2. Hard disk and pen drive
 F. 1. The data or instructions we give to the computer are called input. The result of processing is called output.
 2. **Speed:** Computer works at a very high speed.
Accuracy: Computer always gives accurate results
Diligence: Computer is free from tiredness.



Brain Teaser



2. Computer Software



Exercise

- A.** 1. c. 2. b. 3. c.
- B.** 1. two 2. Software 3. System 4. Application
5. Operating
- C.** 1. Windows 10 2. Windows XP 3. Hard disk
- D.** 1. Windows
2. Adobe Photoshop
- E.** 1. Hardware are those parts of a computer that you can touch and see.
2. A software is a set of instructions or programs that tells the computer hardware how to perform a task.
3. Application software helps us to perform a specific type of job. For example, MS Word.



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1. S 2. S 3. H 4. H 5. S
6. S 7. H 8. H



Periodic Assessment 1

(Based on chapters 1 & 2)

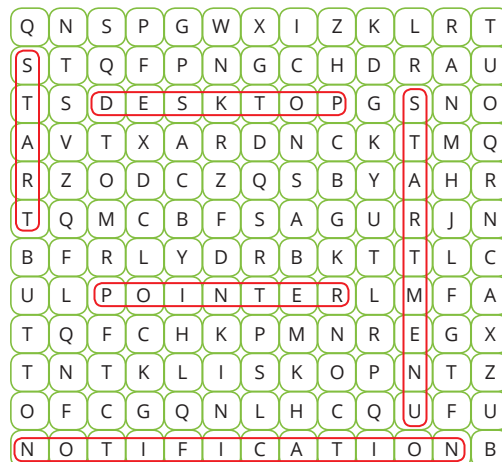
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|-----------|---------------------|-----------------|------------------|------------------|
| A. | 1. input | 2. Hard disk | 3. accurate | 4. MS PowerPoint |
| | 5. controls | 6. Pen drive | 7. faster | 8. IPO |
| B. | 1. Operating System | 2. Control Unit | 3. Supercomputer | |
| | 4. Adobe Photoshop | 5. Windows | 6. Computer | 7. CPU |

3. Let's Know about Windows 7

Exercise

- A.** 1. b. 2. c. 3. b.
- B.** 1. T 2. F 3. T 4. F
- C.** 1. Busy 2. I-Beam 3. Double-headed arrow
4. Working in Background
- D.** 1. There are small pictures on the desktop which represent different programs are called icons.
2. There are six mouse pointer shapes are present.
- E.** 1. (i) Windows 7 has a Graphical User Interface (GUI) that means you do not have to remember all the commands.
- (ii) It allows you to run several programs at the same time.
2. Taskbar is a long bar at the bottom of the desktop. It has Start button, a notification area, a clock and Show Desktop button.
3. To shut down a computer, click on the start button, click on the shut down in the start menu.

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4. Introduction to MS Word 2010

Exercise

- A.** 1. c. 2. c. 3. a.
- B.** 1. Title bar 2. Ribbon 3. Zoom Slider 4. Window Control Buttons
- C.** 1. d. 2. c. 3. a. 4. b.
- D.** 1. F 2. F 3. T 4. T
- E.** 1. MS Word is used to type letters, stories, reports, etc.
2. Title bar, Ribbon and Status bar
- F.** 1. To create a new file, follow the given steps:
Step 1: Click on File tab.
Step 2: Click New option.
Step 3: Click on Blank document option from the Available Templates.
Step 4: Click on Create button.
2. To open a saved document:
Step 1: Click on File tab.
Step 2: Click Open option.
Step 3: Find the file to be opened and click the Open button.
3. To save your document in MS Word, follow these steps:
Step 1: Click on File tab.
Step 2: Select Save or Save As option.
Step 3: Give your file a name in the File name box.
Step 4: Click the Save button.

Brain Teaser

Ctrl + S

Ctrl + O

Ctrl + P

Alt + F4

Ctrl + N

Periodic Assessment 2

(Based on chapters 3 & 4)

- A.** 1. easy 2. taskbar 3. vertical 4. print 5. groups
6. Application
- B.** 1. DESKTOP 2. START BUTTON 3. RECYCLE BIN
- C.** 1. Microsoft 2. Desktop 3. I Beam



Test Sheet 1

(Based on chapters 1 to 4)

Section A

- A. 1. b. 2. a. 3. c.
B. 1. T 2. F 3. F 4. T 5. T

Section B

- A. 1. The device that is used to send input to a computer is an input device.
2. CPU is known as the brain of computer.
3. Icons are the small pictures which represents different programs on the desktop.
4. Desktop and laptop are microcomputers.
- B. 1. a. Windows 7 has a Graphical User Interface (GUI) that means you do not have to remember all the commands.
b. It allows you to run several programs at the same time.
2. To create a new file, follow the given steps:
Step 1: Click on File tab.
Step 2: Click New option.
Step 3: Click on Blank document option from the Available Templates.
Step 4: Click on Create button.

5. Fun with Tux Paint

Exercise

- A. 1. a. 2. a. 3. b.
B. 1. F 2. T 3. F 4. T 5. T
C. 1. foam 2. paint 3. colors palette 4. stamps 5. mosaic
D. 1. Text 2. Magic 3. Shape 4. Stamp
E. 1. Fill effect, Smudge effect, Foam effect, Mosaic effect and Real Rainbow effect. (Any Three)
2. Foam Effect
3. Paint tool
- F. 1. This effect is used to fill colours in any closed shape. To use Fill Magic effect, follow these steps:
Step 1: Click on the Magic tool.
Step 2: Use the up and down arrow key in the Selector to find the Fill effect.
Step 3: Click on the Fill button.
Step 4: Select the colour from the Colors Palette.

Step 5: Bring the pointer inside the shape and click the mouse button.

2. a. Undo Tool: Clicking on Undo tool will reverse the last drawing action
- b. Magic Tool: It is used to erase the unnecessary part of the drawing from the Drawing canvas



Brain Teaser

1. SMUDGE
2. MOSAIC
3. FOAM
4. MAGIC

6. Fun with Paint



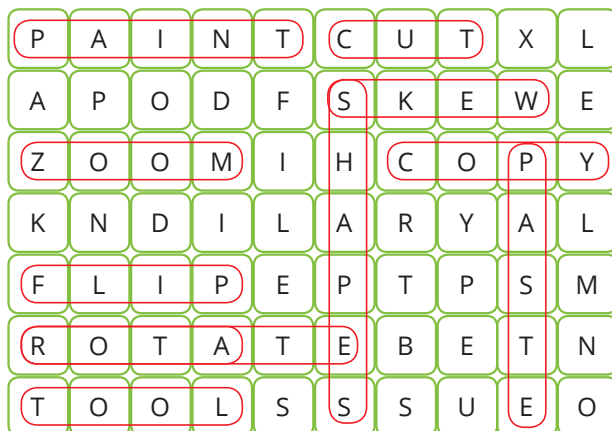
Exercise

- A. 1. b. 2. c. 3. c.
- B. 1. b. 2. a. 3. d. 4. c.
- C. 1. F 2. F 3. F 4. T 5. T
- D. 1. Paint is a simple program to paint on a computer.
2. Polygon Shapes.
3. Rotate command is used to change the position of the drawing at different angles.
- E. 1. The difference between copy/paste and cut/paste is:
Copy/Paste gives the duplicate image of a drawing.
Cut/Paste deletes the image from one place and pastes it to another place.
2. The steps to:
 - a. To Resizing an image:
Step 1: Click on Home tab.
Step 2: Click on Select.
Step 3: Click on Rectangular Selection and select the image by dragging the mouse over it.
 - b. To Flip an image:
Step 1: Click on Home tab.
Step 2: Click on Select and choose Rectangle Selection.
Step 3: Select the image by dragging the mouse over it.
Step 4: Click on Rotate. You will see two options to flip.
Step 5: Click on Flip horizontal or Flip vertical.





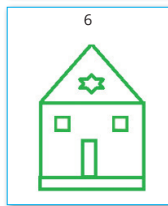
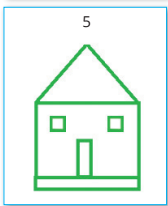
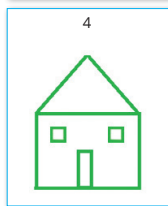
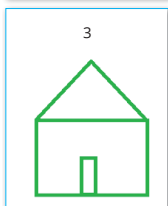
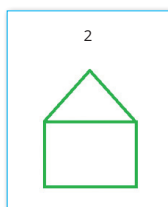
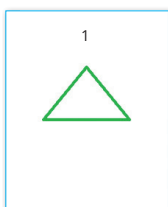
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THE CT CORNER!

(PROBLEM SOLVING)

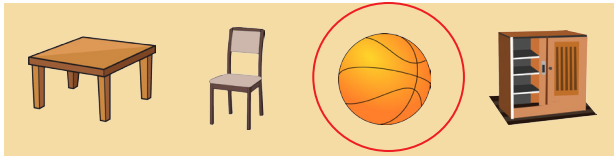
A.



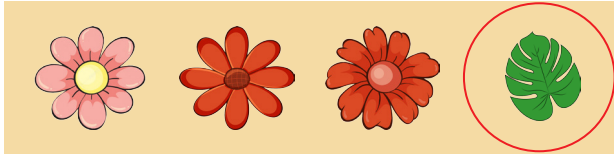
B. a.



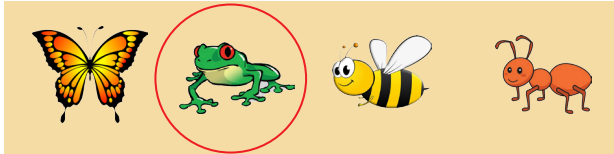
b.



c.



d.



Periodic Assessment 3

(Based on chapters 5 & 6)

- | | | | | | |
|-----------|-----------|--------------|---------|-------------|-----------|
| A. | 1. reduce | 2. different | 3. Flip | 4. straight | 5. simple |
| | 6. Curve | | | | |
| B. | 1. e. | 2. c. | 3. a. | 4. b. | 5. d. |

7. Computer Language—MSW LOGO

Exercise

- | | | | | | |
|-----------|---|----------|-----------|-------------|-----------|
| A. | 1. b. | 2. b. | 3. a. | | |
| B. | 1. d. | 2. . | 3. e. | 4. a. | 5. b. |
| C. | 1. computer | 2. logic | 3. Status | 4. triangle | 5. turtle |
| D. | 1. F | 2. F | 3. T | | |
| E. | 1. MSW LOGO is a computer language which has been designed to teach the basics and logics of programming to the children.
2. LOGO was developed by a group of experts headed by Seymour Papert of USA in the year 1967.
3. LOGO's commands are typed in the commander window. | | | | |
| F. | To exit MSW LOGO, follow these steps:
Step 1: Click on File menu.
Step 2: Click on Exit. | | | | |



OR

Step 1: Type 'Bye' in the Input Box.

Step 2: Press the Enter key.



Brain Teaser

- | | | |
|---------------------|---------|-------------------|
| 1. Commander Window | 2. Bye | 3. Execute button |
| 4. Reset button | 5. Logo | |

8. LOGO Commands



Exercise

- A.** 1. c. 2. a. 3. a.
- B.** 1. Primitives 2. RT, LT 3. HT 4. FD 50 5. CT
- C.** 1. FD 20 2. BK 70 3. RT 60 4. LT 120
- D.** 1. Print command 2. CT
- E.** 1. BACKWARD command is used for moving the turtle in the direction opposite to which it is pointing.
2. LEFT command turns the head of the turtle towards the left side, i.e., in the anticlockwise direction.



Brain Teaser

- | | | | |
|------|------|------|------|
| 1. ✓ | 2. ✓ | 3. ✓ | 4. ✓ |
|------|------|------|------|

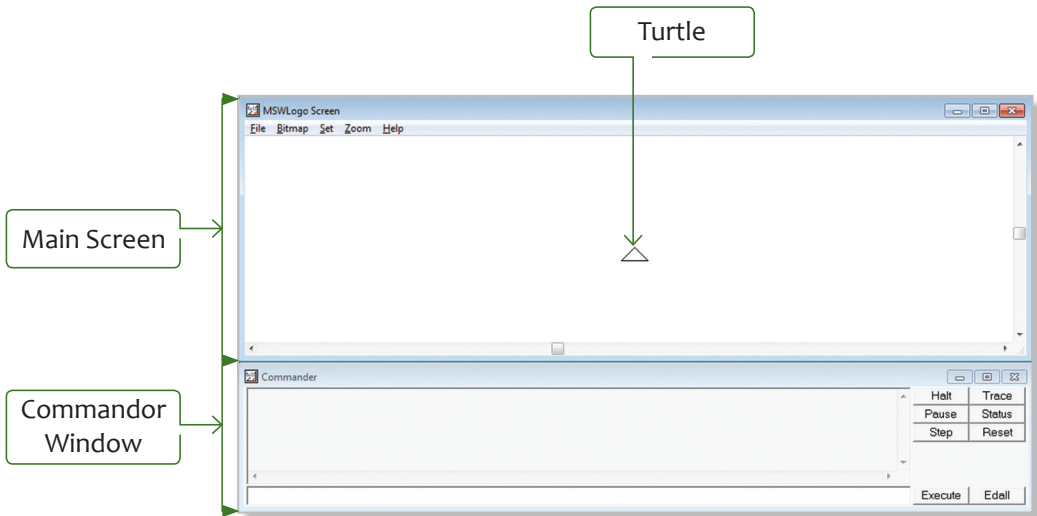


Periodic Assessment 4

(Based on chapters 7 & 8)

A. 1.

B.



Test Sheet 2

(Based on chapters 5 to 8)

Section A

A. 1. b.

2. a.

3. c.

4. a.

B. 1. head

2. RT

3. LT

4. Selected

Section B

A. 1. BK 40

2. Rotate

3. Left command turns the head of the turtle towards the left side.

B. 1. Logo is used for

a. Programming b. Logical reasoning c. Generating basic shapes

2. Mosaic effect is to put pattern produced by arranging together small pieces of stones, tiles, glass etc.

3. Flip command is used to get the mirror image of the drawing either horizontally or vertically. Rotate command is used to change the position of the drawing at different angles.