

Class IV COMPUTER SCIENCE WORKSHEET - Chapter 3, 7, 8 (August 2013-2014)
Based on SA1 format. Answers will be uploaded later.

Note: Syllabus for SA1 → Chapter 3, 7, 8

Name: _____

Roll No: _____

Section: _____

Q1. Fill in the blanks:

1. _____ is the latest version of Windows.
2. _____ is the founder of Microsoft.
3. The _____ feature allows us to turn the open Windows transparent and make the desktop visible.
4. Windows is a _____ User Interface (GUI).
5. _____ primitive erases all the procedures.

Q2. State true or false:

1. An operating system controls the overall activities of a computer.
2. In Windows, we can run only one program at a time.
3. The shortcut icon has a small jump arrow at its lower right corner.

Q3. Match the following:

- | | |
|---------|--|
| 1. PU | (a) Orders the turtle to re-appear on the screen |
| 2. HT | (b) Turns the head of the turtle towards the left side |
| 3. ST | (c) Orders the turtle to lift the pen up from the screen |
| 4. HOME | (d) Orders the turtle to disappear from the screen |
| 5. LT | (e) Brings the turtle to the centre of the screen |

Q4. Write the syntax to

- (a) Name or define a procedure
- (b) Edit a procedure
- (c) Save a procedure
- (d) Load or recall a procedure
- (e) Erase a procedure
- (f) Erase all the procedures
- (g) See all the procedures

Q5. Which figure will be drawn when you give the following commands?

- (a) REPEAT 360 [FD 1 RT 1]
- (b) REPEAT 180 [FD 1 RT 1]

- (c) REPEAT 180 [FD 1 LT 1]
- (d) REPEAT 3 [FD 100 RT 120]
- (e) REPEAT 4 [FD 100 RT 90]
- (f) REPEAT 5 [FD 100 RT 72]
- (g) REPEAT 6 [FD 100 RT 60]
- (h) REPEAT 5 [FD 120 RT 144]

Q6. Write the LOGO command for each of the following:

1. Add 26 and 34
2. Add 34,72 and 10
3. Subtract 56 and 45
4. Multiply 35 and 6
5. Multiply 2, 3 and 5
6. Divide 88 by 2
7. Divide 88 by 2 and find the quotient
8. Divide 88 by 2 and find the remainder
9. 23 greater than 67
10. 44 less than 66
11. Display the last word of the sentence GOD IS GREAT
12. Display the last letter of the word COMPUTER
13. Display the first word of the sentence GOD IS GREAT
14. Display the first letter of the word COMPUTER

Q7. Identify and correct the errors of the following LOGO commands.

- (a) REPEAT 3 (FD 100 RT 120)
- (b) PRINT REMINDER 45 5
- (c) PRNT SUM 25+6
- (d) PR FIRST "GOD IS GREAT"
- (e) PR LAST "COMPUTER"
- (f) PR [SUM 10 20 30]
- (g) TO "SQUARE
- (h) EDIT "SQUARE"
- (i) PRINT QUOTINT 12/3

Q8. Write the full forms for the following abbreviations

1. LOGO

2. BK
3. FD
4. ST
5. HT
6. PD
7. PU
8. LT
9. RT
10. PR
11. GUI
12. CS
13. CT

Q9. Answer in one word or sentence:

1. What is the extension of a LOGO file?
2. Which command is used to erase all the procedures?
3. Which primitive is used to look at the names of all the procedures defined?
4. Which primitive is used to fill colour in the pictures?
5. In LOGO, which menu is used change the pen size and colour?
6. In LOGO, which menu option is used to set the pen colour?
7. In LOGO, which menu option is used to increase the size of an object ?
8. Where do you type commands in LOGO?
9. What is a shortcut?
10. What is an icon?

Q10. Answer the following:-

1. Which are the four arithmetic operators used in LOGO for doing calculations?
2. Which are the five mathematical functions used in LOGO for doing calculations?
3. Write and explain any two features of Windows.
4. What is the use of 'Computer' icon?
5. What are the parts of a procedure? Explain briefly.
6. Why do we use PRINT primitive?

Q11. Differentiate between each of the following :

1. CS and CT

2. File and folder
3. First and Last primitives
4. Quotient and Remainder function

Q12. Write the Shortcut keys:

1. Save a document
2. Print a document
3. Close an application
4. Open a document
5. Create a new file
6. Delete files permanently

ANSWERS

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Name: _____

Roll No: _____

Section: _____

Q1. Fill in the blanks:

1. Windows 8 is the latest version of Windows.
2. Bill Gates is the founder of Microsoft.
3. The aero peek feature allows us to turn the open Windows transparent and make the desktop visible.
4. Windows is a Graphical User Interface (GUI).
5. ERASE ALL primitive erases all the procedures.

Q2. State true or false:

1. An operating system controls the overall activities of a computer. True
2. In Windows, we can run only one program at a time. False
3. The shortcut icon has a small jump arrow at its lower right corner. False

Q3. Match the following:

- | | | |
|---------|--|-----|
| 1. PU | (a) Orders the turtle to re-appear on the screen | [3] |
| 2. HT | (b) Turns the head of the turtle towards the left side | [5] |
| 3. ST | (c) Orders the turtle to lift the pen up from the screen | [1] |
| 4. HOME | (d) Orders the turtle to disappear from the screen | [2] |
| 5. LT | (e) Brings the turtle to the centre of the screen | [4] |

Q4. Write the syntax to

- | | |
|--------------------------------|------------------------------|
| (a) Name or define a procedure | <u>TO</u> procedure name |
| (b) Edit a procedure | <u>EDIT</u> “procedure name |
| (c) Save a procedure | <u>SAVE</u> “procedure name |
| (d) Load or recall a procedure | <u>LOAD</u> “procedure name |
| (e) Erase a procedure | <u>ERASE</u> “procedure name |
| (f) Erase all the procedures | <u>ERASE ALL</u> |
| (g) See all the procedures | <u>POTS</u> |

Q5. Which figure will be drawn when you give the following commands?

- (a) REPEAT 360 [FD 1 RT 1] Circle

(b) REPEAT 180 [FD 1 RT 1]	<u>Semicircle</u>
(c) REPEAT 180 [FD 1 LT 1]	<u>Semicircle</u>
(d) REPEAT 3 [FD 100 RT 120]	<u>Triangle</u>
(e) REPEAT 4 [FD 100 RT 90]	<u>Square</u>
(f) REPEAT 5 [FD 100 RT 72]	<u>Pentagon</u>
(g) REPEAT 6 [FD 100 RT 60]	<u>Hexagon</u>
(h) REPEAT 5 [FD 120 RT 144]	<u>Star</u>

Q6. Write the LOGO command for each of the following:

	Questions	Logo commands using Arithmetic operators	Logo commands using Mathematical Functions
1	Add 26 and 34	PR 26+34	PR SUM 26 34
2	Add 34,72 and 10	PR 34+72+10	PR (SUM 34 72 10)
3	Subtract 56 and 45	PR 56-45	PR DIFFERENCE 56 45
4	Multiply 35 and 6	PR 35*6	PR PRODUCT 35 6
5	Multiply 2, 3 and 5	PR 2*3*5	
6	Divide 88 by 2	PR 88/2	
7	Divide 88 by 2 and find the quotient	PR 88/2	PR QUOTIENT 88 2
8	Divide 88 by 2 and find the remainder		PR REMAINDER 88 2
9	23 greater than 67	PR 23>67	
10	44 less than 66	PR 44<66	
11	Display the last word of the sentence <i>GOD IS GREAT</i>	PR LAST [GOD IS GREAT]	
12	Display the last letter of the word <i>COMPUTER</i>	PR LAST "COMPUTER	
13	Display the first word of the sentence <i>GOD IS GREAT</i>	PR FIRST [GOD IS GREAT]	
14	Display the first letter of the word <i>COMPUTER</i>	PR FIRST "COMPUTER	

Q7. Identify and correct the errors of the following LOGO commands.

(a) REPEAT 3 (FD 100 RT 120)	<u>REPEAT 3 [FD 100 RT 120]</u>
(b) PRINT REMINDER 45 5	<u>PRINT REMAINDER 45 5</u>
(c) PRNT SUM 25+6	<u>PRINT SUM 25 6</u>
(d) PR FIRST "GOD IS GREAT"	<u>PR FIRST [GOD IS GREAT]</u>
(e) PR LAST "COMPUTER"	<u>PR LAST "COMPUTER</u>
(f) PR [SUM 10 20 30]	<u>PR (SUM 10 20 30)</u>

(g) TO "SQUARE	<u>TO SQUARE</u>
(h) EDIT "SQUARE"	<u>EDIT "SQUARE"</u>
(i) PRINT QUOTINT 12/3	<u>PRINT QUOTIENT 12 3</u>

Q8. Write the full forms for the following abbreviations

1. LOGO Logic Oriented Graphic Oriented
2. BK Back
3. FD Forward
4. ST Show Turtle
5. HT Hide Turtle
6. PD Pen Down
7. PU Pen Up
8. LT Left
9. RT Right
10. PR Print
11. GUI Graphical User Interface
12. CS Clear Screen
13. CT Clear Text

Q9. Answer in one word or sentence:

1. What is the extension of a LOGO file? Answer: .lgo
2. Which command is used to erase all the procedures? Answer: ERASE ALL
3. Which primitive is used to look at the names of all the procedures defined? Answer: POTS
4. Which primitive is used to fill colour in the pictures? Answer: FILL
5. In LOGO, which menu is used change the pen size and colour? Answer: Set menu
6. In LOGO, which menu option is used to set the pen colour? Answer: Set>Pen color option
7. In LOGO, which menu option is used to increase the size of an object ? Answer: Zoom>In
8. Where do you type commands in LOGO? Answer: Command Input Box
9. What is a shortcut? Answer-Refer Page 27
10. What is an icon? Answer: The small labeled pictures displayed on the desktop are known as icons.

Q10. Answer the following:-

1. Which are the four arithmetic operators used in LOGO for doing calculations?

Answer: + (addition), - (subtraction), * (multiplication) , / (division)

2. Which are the five mathematical functions used in LOGO for doing calculations?

Answer: SUM, DIFFERENCE, PRODUCT, QUOTIENT and REMAINDER

3. Write and explain any two features of Windows.

Answer-Refer Page 21

4. What is the use of 'Computer' icon?

Answer-Refer Page 27 or Page 23 1st paragraph

5. What are the parts of a procedure? Explain briefly.

Answer-Refer Page 71 or Page 64 2nd paragraph

6. Why do we use PRINT primitive?

Answer-Refer Page 62 or Page 56 last paragraph

Q11. Differentiate between each of the following :

1. CS and CT - CS primitive is used to clear the complete picture drawn on the main screen or graphics screen. CT primitive is used to clear the text present in the Recall list box and the command in the Input box.

2. File and folder – A folder is a collection of related information stored together. But a folder is a collection of relevant files and sub-folders.

3. First and Last primitives – First primitive is used to print the first letter of a word or to print the first word of a sentence. Last primitive is used to print the last letter of a word or to print the last word of a sentence.

4. Quotient and Remainder function – Quotient function divides the first input number by the second input number and gives the quotient. Remainder function divides the first input number by the second input number and displays only the remainder on the screen.

Q12. Write the Shortcut keys:

- | | |
|-----------------------------|--------------------|
| 1. Save a document | <u>Ctrl + S</u> |
| 2. Print a document | <u>Ctrl + P</u> |
| 3. Close an application | <u>ALT + F4</u> |
| 4. Open a document | <u>Ctrl + O</u> |
| 5. Create a new file | <u>Ctrl + N</u> |
| 6. Delete files permanently | <u>Shift + Del</u> |