

2<sup>nd</sup> Term Worksheet [2018 – 19]

Subject – Computer Application

Class – VIII

Name :	Sec. :
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Chapter – 3  
[Algorithms and Flowcharts]  
[Exercises]

[A] Answer the following questions: [48]

1. What is meant by the term Programming?

Ans.

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2. How many types of programming languages are there? State the difference between them.

Ans.

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3. Name some languages used for programming.

Ans.

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4. Explain the term algorithm. What are the basic characteristics of an algorithm?

Ans.

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5. Explain the term flowchart. What are the advantages of using a flowchart?

Ans. \_\_\_\_\_

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\_\_\_\_\_

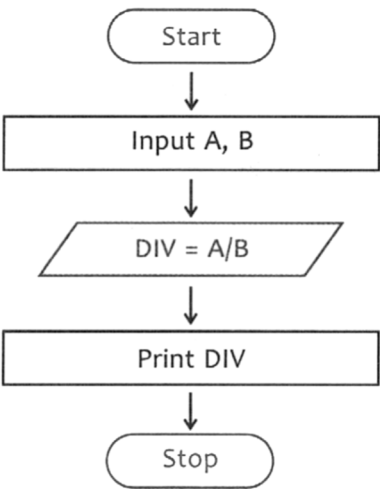
\_\_\_\_\_

\_\_\_\_\_

[B] Fill in the blanks: [48]

1. The step by step procedure to solve any particular task is called \_\_\_\_\_.  
a. Flowchart                      b. Algorithm                      c. Instructions
2. The diagrammatical representation of an algorithm is called \_\_\_\_\_.  
a. Program                      b. Algorithm                      c. Flowchart
3. The direction of flow in any flowchart should be from \_\_\_\_\_.  
a. Top of bottom                      b. Bottom to top                      c. Right to left
4. Flow of logic within a flowchart is shown by \_\_\_\_\_.  
a. Connectors                      b. Flow Lines                      c. Graphics

[C] Redraw the following flowchart after correcting the symbols: [49]



[D] Name the following flowchart symbols and write the use of each symbol: [49]

	Name	Use



5. Define Fundamental data types and its various type.

Ans.

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6. Define operators and its types.

Ans.

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[B] Fill in the blanks:

[66]

1. \_\_\_\_\_ are the words, that convey a special meaning to the compiler.
2. void, char, int, float, and double are \_\_\_\_\_ data types.
3. \_\_\_\_\_ literals are also called real constants.
4. \_\_\_\_\_ are tokens, that trigger some computation.
5. \_\_\_\_\_ operators are used to compare two values.

[C] Write 'True' or 'False':

[66]

1. void data type occupies 1 byte. \_\_\_\_\_
2. To execute a program press F5. \_\_\_\_\_
3. Fundamental data types are user specified data types. \_\_\_\_\_
4. Variables should be more than 255 characters. \_\_\_\_\_
5. Keywords carry a special meaning to the compiler. \_\_\_\_\_

[D] Choose the correct option to fill in the blanks:

[67]

1. \_\_\_\_\_ is a set of instructions given to the computer.  
a. Algorithm                      b. Program                      c. Flowchart
2. Keywords are the \_\_\_\_\_ that convey a special meaning.  
a. Words                      b. Sentences                      c. Documents
3. The first character of an identifier must be a \_\_\_\_\_.  
a. Number                      b. Letter                      c. Symbol
4. \_\_\_\_\_ literals are also called real constants.  
a. Floating                      b. String                      c. Integer
5. Operators which work on two operands are known as \_\_\_\_\_ operators.  
a. Double                      b. Octal                      c. Binary

