Words to Know

- **Binary Language or Machine Language:** A language that comprises of zeroes and ones and is understood by the computer.

- **High Level Language:** A language that uses English like words and is used for writing programs to give instructions to the computer.

- **Variable:** An area in memory that can be used to store a value. The value stored in the variable can be changed during program execution.

- **Program:** A collection of statements written using a programming language to give instructions to the computer.

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- QBASIC is a High Level Programming language and stands for Quick Beginners All Purpose Symbolic Instruction Code.

- QBasic has a number of statements to give instructions.

- Constants are values that do not change. There are two types of constants— Numeric and String constants.

- Variables are used to store a value. There are two types of variables—Numeric and String variables.

- QBASIC has arithmetic, relational and logical operators.

- PRINT statement is used to display numbers, message or values of variables on the output screen.

- REM statement is used to write a remark or comment in the program that does not get executed.

- CLS statement is used to clear the output screen.

- LET statement is used to assign a value to a variable.

- INPUT statement is used to take value from the user and store it in a variable.

- IF... Then...Else is a conditional statement that executes a set of statements depending upon a condition.

A. Circle the correct answer.

1. QBASIC, C and Java are examples of

   a) machine language
   b) high-level language
   c) assembly language
   d) None of these

2. An example of conditional statement is the

   a) If... THEN statement.
   b) LET statement.
   c) INPUT statement.
   d) PRINT statement.

3. Which of the following is not a valid variable name?

   a) house_num
   b) house-num
   c) housenum
   d) All are invalid

4. An example of logical operator is

   a) AND
   b) OR
   c) NOT
   d) All of these

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Fill in the blanks using the words given in the box.

$	Conditional	Constants	Statements	Machine	High

1. The language of zeroes and ones is known as __Machine__ language.

2. QBASIC is an example of __High__ -level programming language.

3. A program is a set of __Statements__.

4. Values that do not change during the execution of a program are called __Constants__.

5. String variable names must end with a __$__ character.

6. IF...THEN...ELSE is a __Conditional__ statement.

the following

(C) Match the following.

Statement		Purpose
① LET		ⓐ to clear the Output Screen
② PRINT		ⓑ to take value from the user and Store it in a Variable
③ INPUT		ⓒ to write remarks that are not executed
④ CLS		ⓓ to display Values on Output Screen
⑤ REM		ⓔ to assign or put Value inside a Variable

Ans → ① — ⓔ , ② — ⓓ

Ans → ① — E , ② D , ③ — B , ④ — A , ⑤ — C

⑥ What will be the output of each of the following?

① CLS
```
A = 2
B = 2 * A
PRINT B
Output "4"
```

② CLS
```
X = 5
If X <> 10 THEN
Y = 10
ELSE
Y = 15
END IF
PRINT Y
OUTPUT "10"
```

③ CLS
```
M = 10
M = M + 2
N = M + 5
PRINT "RESULT"
PRINT
PRINT M
PRINT N
OUTPUT "M = 12", "N = 15"
```

(4) CLS

A$ = " STRAW" + "BERRIES"

PRINT " I Like", "To Eat"

PRINT

PRINT A$

Output "I Like to Eat STRAWBERRIES"

@ find errors, if any, in the following statements.

① LET ~~Name~~ Name = "Sheela"

→ No error

② A$ = 100

→ No error

③ If num > 100 THEN

→ Error because "num" is Variable and its last Characters should be '$' but there is no ($) Symbol at last of num.

④ PRINT Sum is, 3+5

→ Error because if you write something after print it should be in bracket but there is no bracket after print.

(5) Print "greater than 100" END

→ Error because End is always written on the next line of Print but here End is on Same line of PRINT.

(6) INPUT "Enter number": A

→ Error because Input statement do not take (:) symbol it only takes Numerical value and string value.