1. **Which of the following statements assigns the value 25 to the variable x in Python:**
2. x ← 25
3. x = 25
4. x := 25
5. int x = 25
6. x << 25

**Ans :** x = 25

## 02. In Python, a variable may be assigned a value of one type, and then later assigned a value of a different type:

1. False
2. True

Ans : True

## 03. Which one of the following is the correct way of declaring and initializing a variable, x with the value 7?

1. int x  
   x=7
2. int x=7
3. x=7
4. declare x=7
5. Ans: x=7

## 04. What will be the output of statement 2\*\*2\*\*2\*\*2

1. 16
2. 256
3. 32768
4. 65536
5. Ans : 65536

## 05. Which of the following statement is False?

1. Variable names can be arbitrarily long.
2. They can contain both letters and numbers.
3. Variable name can begin with underscore.
4. Variable name can begin with number.

Ans : Variable name can begin with number.

## 06. What is the output of the following code: print 9//2

1. 4
2. 4.5
3. 4.0
4. Error
5. Ans : 4

## Which of the following is not a valid variable name in Python?

01.\_var

02.var\_name

03.var11

0.45var

04.Ans : 5var

## 08. What is the maximum length of an identifier in python?

1. 32
2. 31
3. 63
4. None of the above

Ans : None of the above(79)

## Which of the following declarations is incorrect?

01.None Of the below 02.\_x = 2

03.\_\_x = 3

04.\_\_xyz\_\_ = 5

Ans :None Of the below

## What is the result of round(0.5) – round(-0.5)?

* + 1. 1.0
    2. 2.0
    3. 0
    4. None Of the above

## In Python, a variable must be declared before it is assigned a value:

01.True

02.False

Ans :False

## Why does the name of local variables start with an underscore discouraged?

01.To identify the variable

02.It confuses the interpreter

03.it indicates a private variable of a class

04.None of these

Ans : To identify the variable

## Which of the following will run without errors?

01.round(75.8)

02.round()

03.round(5352.898,9,5)

04.round(6463.123,2,6)

Ans :round(75.8)

## Which of the following is a valid variable?

01.var@

02.32var

03.in

04.abc\_x

Ans : abc\_x

## Is Python case sensitive when dealing with identifiers?

01.Yes

02.No

03.Machine dependent

04.None of the abov

Ans :Yes

1. **Question For a = 60 , b = 13 compare the numbers using bitwise operators like AND, OR, XOR, NOT.**

Ans : a = 60

b = 13

print(a&b)

= 12

print(a|b)

= 61

print(a,~b)

= 60 -14

print(a^b)

= 49