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

## **01. Which of the following statements assigns the value 25 to the variable x in Python:**

1. x ← 25
2. x = 25
3. x := 25
4. int x = 25
5. x << 25

Ans 4. (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

Ans2. (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

Ans3.( X=7)

## 

## 

## 

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

1. 16
2. 256
3. 32768
4. 65536

Ans4. (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.

Ans4. (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

Ans1.( 4)

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

1. \_var
2. var\_name
3. var11
4. 5var

Ans4. (5var)

## 

## 

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

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

Ans4. (None of the above)

## **09. Which of the following declarations is incorrect?**

1. None Of the below
2. \_x = 2
3. \_\_x = 3
4. \_\_xyz\_\_ = 5

Ans1. (None of the below)

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

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

Ans2. (2.0)

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

1. True
2. False

## 

## 

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

1. To identify the variable
2. It confuses the interpreter
3. It indicates a private variable of a class
4. None of these

## **13. Which of the following will run without errors?**

1. round(75.8)
2. round()
3. round(5352.898,9,5)
4. round(6463.123,2,6)

## **14. Which of the following is a valid variable?**

1. var@
2. 32var
3. in
4. abc\_x

## **15. Is Python case sensitive when dealing with identifiers?**

1. Yes
2. No
3. Machine dependent
4. None of the above