**PYTHON**

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**Topics** : Data Types , Operators

**1. What is the output of the following code ?**

**print(bool(0) , bool(3.145), bool(-2), bool(1.0+1j))**

1. True True False True
2. False True True True
3. True True False True
4. False True False True

**Answer : B**

**2. What is the output of print(3%6) ?**

A)ValueError

B) 0.5

C) 3

**Answer : C**

**3. What is the output of the expression print(-18//4) ?**

1. -4
2. 4
3. -5
4. 5

**Answer : C**

**4. print(2\*"World!")**

A) World!World!

B) Error

C) 22

D) “World! 2 time”

**Answer : A**

**5. print(“World!”\*2)**

A) World!World!

B) Error

C) 22

D) “World! 2 time”

**Answer : A**

**6. What does the expression bool(0) evaluate to ?**

**A)** True

B) False

c) None

D) Error

**Answer : B**

**7.bin(6.5)**

A) Syntax Error

B) Name Error

c) Type Error

D) No Error

**Answer : C**

**8. Which of the following gives an error ?**

A) 0b111<0b102

B) 5.5>>5.4

c) 3 && -2

D) All of the above

**Answer : D**

**9. Which of the following code gives as output as ‘0b1011’ ?**

A) bin(11)

B) binary(11)

c) bin(13)

D) binary(13)

**Answer : A**

**10 . Which of the following is an operator that works only on one operand ?**

1. ^
2. ~
3. |
4. >>

**Answer : B**

**11. ~ 101 ?**

A) 010

B) 011

c) 102

D) -102

**Answer : D**

12 . Which of the following gives as 1 as output ?

1. 0b110 ^0b111
2. 0b110 | 0b111
3. 0b110 & 0b111
4. None

**Answer : A**

**13 . Find the output of the following code snippet ?**

x=5

print(-(~x))

1. 5
2. -6
3. 6
4. Syntax Error

**Answer : C**

**14 . Which of the following is equivalent to the output of the following code ?**

a=4

b=6

print(a ^b)

1. (a & b) & (~a | ~b)
2. (a | b) & (~a | ~b)
3. (a | a) & (~b | ~b)
4. None

**Answer : B**

**15 . print(bin(10))**

1. 0b1010
2. 10
3. 1010

**Answer : A**

**16. print(bin(0b1010))**

A)0b1010

B) 10

C) 1010

**Answer : A**

**17. Find the output of the following code snippet.**

**n1=2**

**n2=3**

**print(bin(n1) & bin(n2))**

1. 2
2. 3
3. TypeError
4. SyntaxError

**Answer : C**

**18. print(0b111>>0b010)**

**A)** 1

B) 3

C) 9

D) Error

**Answer : A**

**19 . print(0b111>>2)**

**A)** 1

B) 3

C) 9

D) Error

**Answer : A**

**20. Which of the following give a negative number as an output?**

**A) -4 ^ 5**

**B) -6^-5**

**C) ~ -10**

**D) None**

**Answer : A**