CRASH COURSE GATE 2025

DS&AI

Python for Data Science

Operators in Python

Q1 The output of below python code segment is
_____

```
a= 5.5
b = 2.0
c= 2
d = -2.0
e= a // b
f = d // c
print(e+f)
```
(A) 0   (B) 0.0
(C) 1.0   (D) -1.0

Q2 The ascending order Of Precedence of below
Operators is _____
1. not in   2. <<   3. not   4. ^
(A) 3, 2, 1, 4   (B) 3, 1, 2, 4
(C) 3, 1, 4, 2   (D) 2, 4, 1, 3

Q3 The result after evaluating the below expression
in Python is _____
result=14 & 4 + 5 << 2 ^ 19 + 3 // 7 - 3 >> 4

Q4 Match The Following Operators with their
associativity.

LIST-I	LIST-II
(A) ** (Exponentiation)	1. Left To Right
(B) & (Bitwise AND)	2. Right To Left
(C) is not (Identity)	
(D) = (Assignment)	

(A) A-1, B-2, C-2, D-1
(B) A-2, B-2, C-1, D-1
(C) A-2, B-1, C-2, D-2
(D) A-2, B-1, C-1, D-2

Q5 The output of below code segment is _____

```
a=0o63
b=a<<2
c=a>>3
print(b+c)
```

Q6 What will be printed by below Python Code?
```
i=0xAE1
j= i & 152
k= j | 100
print(k)
```
(A) 344   (B) 00344
(C) 0xe4   (D) 228

Q7 What will be the value of k in the below code?
```
i=-13.5
j=5
k=i % j
print(k)
```
(A) 0.0   (B) 1.5
(C) 3.5   (D) -1.5

Q8 The Values of i and j respectively are ___ and
_____
```
j=18 * 3 // 4 - 2 ^ 23 & 11 + 5 | 17 << 2
i=18 << 3 & 4 * 2 | 23 ^ 11 - 5 + 17 // 2
```
(A) 25, 95   (B) 95, 25
(C) 95, 31   (D) 31, 95

Q9 The output printed by below Python code
segment is _____
```
i=75
j=0o62
k=0x189
print(hex(j), end=',')
print(oct(i), end=',')
print(k)
```
(A) 62,75,189

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(B) 0o113, 0x32, 0x189

(C) 0x32, 0o113, 393

(D) 0x32, 0o113, 0x189

Q10 The output will be _____

x="GATE"

y="2025"

z='EXAM'

string=x+y+z

print(len(string*2))

(A) 4   (B) 8

(C) 16   (D) 24

Answer Key

Q1	(C)		**Q6**	(D)
Q2	(C)		**Q7**	(B)
Q3	5		**Q8**	(A)
Q4	(D)		**Q9**	(C)
Q5	210		**Q10**	(D)

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Hints & Solutions

Q1 Text Solution:

C

Q2 Text Solution:

C

Q3 Text Solution:

5

Q4 Text Solution:

D

Q5 Text Solution:

210

Q6 Text Solution:

228

Q7 Text Solution:

B

Q8 Text Solution:

A

Q9 Text Solution:

C

Q10   Text Solution:

D

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