

DEVOIR SURVEILLÉ

Module: PRÉPARATION CERTIFICATION
PYTHON

Documents: **Non Autorisés**

Durée: 1h30

Nb pages: 2

Classe: **DSI2.1**

Date: **Nov/2019**

EXERCICE 1 (10 points)

Give the output of the following Python snippets:

a)

```
print("Bonjour", "les", "amis", sep="***", end=" ")
print("Python")
```

*Bonjour *** les *** amis*

b) `print(22-3*(22//2)+14*2)` *237*

c) `n = 4`
`p = 2`
`n /= 2 * p`
`print(n)`

Handwritten calculation: 22 divided by 2 is 11, 11 times 3 is 33, 22 minus 33 is -11, -11 plus 14 times 2 (28) equals 17.

*Handwritten calculation: n = 4, p = 2, n /= 2 * p means n = 4 / (2 * 2) = 4 / 4 = 1.*

d)

```
a=1
b=1.0
print(a==b)
```

e)

```
x="1"
y=1
print(x==y)
```

f)

```
for i in range(1,5,2):
    print(i)
```

g)

```
x = 1
y = 0
z = ((x == y) and (x == y)) or not(x != y)
print(z)
```

Handwritten analysis: (x == y) is false, (x == y) is false, not(x != y) is true. false and false is false, false or true is true. The final result is false.

h)

```
x=5
y=1
print(x&y)
print(x|y)
```