

Question 1

The following Python print statement

```
print(round(34.6016451,3))
```

will output

Answer: 34.602

Question 3

Assume that you are given the following code:

```
city1 = "Dammam"  
dist1 = 70.9  
city2 = "Khamis Mushait"  
dist2 = 800.32  
city3 = "Makka"  
dist3 = 1401.5
```

Which of the following statements will produce the following output?

Dammam	70.9
Khamis Mushait	800.3
Makka	1401.5

Answer:

```
print("%.15s %.8.1f" % (city1, dist1))  
print("%.15s %.8.1f" % (city2, dist2))  
print("%.15s %.8.1f" % (city3, dist3))
```

Question 4

Which of the following operators can be used with strings?

A) * :: true but < has + which is true

B) / , %

C) + , *

Question 5

What does the following python expression evaluate to?

```
11 // 3 % 6
```

Answer: 3

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SomeoneA

Question 6

Which of the following Python statements stores a string in variable y:

- A) `ICS104 = y` ∴ variable should become first, and ICS104 miss " "
- B) `y = "10"`** ∴ if we put " " to number it becomes string
- C) `Y = "Abdullellah Alghamdi"` ∴ python is case sensitive so $Y \neq y$

Question 7

What will be the output of below Python code?

```
str2 = "differentiation".replace('t','z')
print(str2)
```

Answer: differenziation

Question 8

Which of the following is ~~an~~ ^{Invalid} Python variable name?

- A) CircleArea2
- B) 2CircleArea** ∴ you can't start a variable with number.
- C) None of these answers is correct

Question 9

Write the following mathematical expression in Python:

$$x^{2/3} + \frac{x}{10} * 4 + x$$

Answer: $x^{** (2/3)} + x / 10 * 4 + x$

Question 10

What is the order of evaluation of the following python expression?

```
15 * ( t - m ) / x ** 5
```

Answer: -, **, *, /

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Question 11

What is the value of the Python expression "Error" * 2 + 4 ?

A) $\text{ErrorError} + 4$ $\therefore$ we can't add string to num

B) Syntax Error

C) TypeError $\therefore$ nothing wrong with syntax but as I said at A.

Question 12

Part a: Without modifying any of the available statements, add ONE more statement to make the printed output of the following code as 5.0

```
num1 = 3.75
num2 = '1.25'

print(num1 + num2)
```

Part b: Without modifying any of the available statements, add ONE more statement to make the printed output of the following code as 24.5

```
s1 = 23
s2 = '5'

print(s1 + '.' + s2)
```

Answer Part A: $\text{num2} = \text{float}(\text{num2})$

Answer Part B: $s1 = \text{str}(s1 + 1)$

Question 13

Assuming that m is an integer value and greater than 5, what will be the result of the following python expression?

```
8 % (2 * m)
```

Answer: 8

Question 14

Which of the following statements is not true about Python?

A) Development of python programs is quick.

B) Python is optimized to produce fast programs.

C) Python isn't only suitable for handling simple data.

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Question 16

Which of the following python fragments generates an error?

A) `x = 2
z = 4
Print(x+z)`

B) `y = 15
z = x + y
x = 2
Print(z)`

C) `y = "Abdullah"
x = "Alghamdi"
Print(y, x)`
∴ we must define variable before using it

Question 17

What will be the output of below Python code if the user enters 4 as an input?

```
num1 = float(int(input("enter the first number: ")))  
print(num1)
```

A) 4.0 *∴ it will be entered as int first, then it changes to float*

B) 4

C) SyntaxError

Question 18

Consider executing the following python code:

```
x = int(input("Enter x"))  
y = int(input("Enter y"))  
z = int(input("Enter z"))  
print(x // y % z)
```

2) 987 10 9 *← try this too*

What will be the output if the user entered the numbers: 423, 10 and 4 in this order?

Answer: 1) 2
2) 8

Question 15

The following program

```
myFirstName = "Abdullah"  
myLastName = "Alsalem"  
myYearOfBirth = 1999  
myMonthOfBirth = 6  
myDayOfBirth = 28  
print("My name is", myFirstName, myLastName + " and I was born on",  
      myDayOfBirth + myMonthOfBirth + myYearOfBirth)
```

will produce

Answer: My name is Abdullah Alsalem and I was born on 2033

B) : Abdullah Alghamdi



SomeoneA

Question 19

What is the output of the following program:

```
charecter = "The Exam of ICS 104 is EASY!"
charecter.upper()
str = charecter.lower()
print("upper case : " + str)
print("lower case : " + charecter)
```

Answer: - upper case: the exam of ics 104 is easy!
- lower case: The Exam of ICS 104 is EASY!

Source: Dude trust me

Question 20

Assume you have a valid python function named xyz() that requires 2 arguments. Which of the following is the right way to call the function and print the returned value.

#1
r=0
r=xyz(3,4) #2
print(r) print(xyz(3,4))
#5
r=0
r=xyz(5,4) ✓
print(r)

#3 1 arg
r=xyz(2)
print(r)

#4 1 arg
print(xyz(2))

A) #2, #5

B) #3, #5

C) #1, #4

Question 21

What do the following statements print?

```
x = -12.02547912
y = 102
print("%3.3f" % x)
print("%5d" % y)
```

I ⇒ empty space

Answer: - -12.025

- II 102

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SomeoneA

Question 22

Given strings containing phone numbers of the form "xyz-abcd" where a, b, c, d, x, y and z are digits between 0 and 9. Which of the following expressions returns the integer value xzb in variable key? For example, if the variable phoneNumber contains the string: "691-7542", the value of the integer variable key will be equal to 615.

- A) `key = int(phoneNumber[0] + phoneNumber[2] + phoneNumber[5])`
B) `key = phoneNumber[1] + phoneNumber[5] + phoneNumber[7]`
C) None of answers is correct.

Question 23

Which of the following group of Python statements will generate an error preventing it from running:

#1	#2	#3	#4	#5
<code>Y=3</code>	<code>Y=3</code>	<code>X=3</code>	<code>X=3</code>	<code>Y=2.2</code>
<code>X=Y* -1.5</code>	<code>X=3</code>	<code>X=5.9</code>	<code>X= 5.6</code>	<code>Z=X+Y</code>
<code>X= abs(Y)</code>	<code>Y=X* -3</code>	<code>Y= X+X</code>	<code>X='THree'</code>	<code>X=1.3</code>

✓

✓

✓

✓

∴ we must define variable before using it

Answer: #5 only

Question 24

What does the following expression evaluate to?

`12 / 4 + 13 // (4 - 10 % 4) ** 2`

Answer: 6.0

Question 25

Which of the following statements is not true about errors in Python?

- A) Logical errors cannot be detected by the python compiler. True
B) Run-Time errors occur as a result of a mistake in the syntax of the program
C) None of answers is correct.

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