

### Question 1

The following Python print statement

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

will output

Answer:

### 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:

### Question 4

Which of the following operators can be used with strings?

A) \*

B) / , %

C) + , \*

### Question 5

What does the following python expression evaluate to?

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

Answer:

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### Question 6

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

- A) `ICS104 = y`
- B) `y = "10"`
- C) `Y = "Abdullah Alghamdi"`

### Question 7

What will be the output of below Python code?

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

Answer:

### Question 8

Which of the following is <sup>Invalid</sup> ~~an~~ Python variable name?

- A) `CircleArea2`
- B) `2CircleArea`
- 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:

### 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) ErrorError+4
- B) Syntax Error
- C) TypeError

### 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:

Answer Part B:

### 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:

### 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 = "Alghandi"`  
`Print (y, x)`

### 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
- 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)
```

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:

### 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:

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### 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: -

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

- 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)
```

Answer: -

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### 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> |

Answer:

### Question 24

What does the following expression evaluate to?

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

Answer:

### Question 25

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

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

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