

Python Test

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Started on	Saturday, 9 May 2020, 9:54 AM
State	Finished
Completed on	Saturday, 9 May 2020, 10:34 AM
Time taken	39 mins 44 secs
Marks	13.60/20.00
Grade	68.00 out of a maximum of 100.00
Feedback	Good Performance

Question 1

Complete

Mark 1.00 out of 1.00

Flag question

What will be the output of the below code?

```
list1 = [1, 2, 3]
list1.append([4, 5, 6])
print(len(list1))
```

Select one:

- ☐ 5
- ☒ 4
- ☐ 3
- ☐ 6

Question 2

Complete

Mark 0.00 out of 1.00

Flag question

If ``a = [1, 1, 2, 3, 3, 6,6,4]``. What is set(a)

Select one:

- ☒ a. Error
- ☐ b. set([1, 1, 2, 3, 3, 6,6,4])
- ☐ c. set([1, 2, 3, 6, 4])
- ☐ d. set([1, 2, 3, 3, 6,6])

Question 3

Complete

Mark 1.00 out of 1.00

Flag question

Why was the language called "Python "?

Select one:

- ☒ a. The inventor is a fan of "Monty Python's Flying Circus".
- ☐ b. The inventor was once attacked by a python in the Amazons.
- ☐ c. The inventor's best friend suggested him the name.
- ☐ d. As a kid, the inventor liked to play the snake-and-ladder game.

Question 4

Complete

Mark 1.00 out of 1.00

Flag question

What is the output of following?

```
x = 12345
for i in x :
    print(i)
```

Select one:

- ☐ 123
- ☒ error
- ☐ 1 2 3

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☐ None of them

Question 5

Complete

Mark 1.00 out of 1.00

Flag question

What will the following function do?
def what(x) return x*x ?

Select one:

- ☐ a. Function doesn't have docstring
- ☐ b. Returns the square of x
- ☐ c. Returns x
- ☒ d. Error

Question 6

Complete

Mark 1.00 out of 1.00

Flag question

To print out the text as shown below, what code should we execute?
I love to take a ride in his sport's car!

Select one:

- ☐ a. print 'I love to take a ride in his sport's car!'
- ☒ b. print "I love to take a ride in his sport's car!"
- ☐ c. print 'I love to take a ride in his sport"s car!'
- ☐ d. print I love to take a ride in his sport's car!

Question 7

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following syntax is wrong?

Select one:

- ☐ bar([1,3,5,7,9],[2,4,6,8,10], label = "Sample 1", color = 'b')
- ☒ pie(obs, explode = explode_sample, labels = variables, colors = colors, autopct = 1.1f)
- ☐ loglog(x, y, basex = e, basey = e)
- ☐ scatter(x,y,c = "b", mark = "^", alpha = 0.5)

Question 8

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following data structures can be used with the "in" operator to check if an item is in the data structure?

Select one:

- ☐ a. list
- ☐ b. None of the above
- ☐ c. set
- ☐ d. dictionary
- ☒ e. All of the above

Question 9

Complete

Mark 0.00 out of 1.00

Flag question

Suppose from different commands we type, we just want to save the first 5 and then 8th and 13th command. What we should do?

Select one:

- ☒ Type the command %save /home/fossee/new_plot_script.py 1:5 8 13
- ☐ Type the command %save /home/fossee/new_plot_script.py 1-5, 8, 13
- ☐ Type the command %save /home/fossee/new_plot_script.py 1:5, 8, 13

☐ Type the command %save /home/fossee/new_plot_script.py 1-5 8 13

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Question 10

Complete

Mark 0.00 out of 1.00

Flag question

Given the list primes, ``primes = [2, 3, 5, 7, 11]``, Which of the following code will produce the reverse of the list ``primes``:

- (A) primes.reverse()
- (B) primes[::-1] ?

Select one:

- ☒ a. Only (A) is correct
- ☐ b. Only (B) is correct
- ☐ c. Both (A) and (B) are correct
- ☐ d. None of them

Question 11

Complete

Mark 1.00 out of 1.00

Flag question

What is the output of the expression, $7*1**7$?

Select one:

- ☒ 7
- ☐ 1
- ☐ 343
- ☐ 49

Question 12

Complete

Mark 1.00 out of 1.00

Flag question

The % in %hist exist in all python interpreters.

Select one:

- ☐ True
- ☒ False

Question 13

Complete

Mark 1.00 out of 1.00

Flag question

What is the output of the following?

```
a = array([1,2,3,'string'])  
print(a)
```

Select one:

- ☐ 1 2 3 "string"
- ☒ Error
- ☐ None of them
- ☐ 1 2 3 string

Question 14

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following is correct ?

Select one:

- ☐ a. subplot(numRows,numCols)
- ☒ b. subplot(numRows, numCols, plotNum)
- ☐ c. subplot(numCols,numRows)

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Question 15

Complete

Mark 0.00 out of 1.00

Flag question

I made a .txt file containing squares of first 10 elements. Which of the following statements are correct ?

Select one:

- ☐ It can be loaded by command `squares = loadtxt('/home/fossee/squares.txt')` and printed by `print squares`. This prints a list of floating objects.
- ☒ It can be loaded by command `squares = load.text('/home/fossee/squares.txt')` and printed by `print(squares)`. This prints a list of floating objects.
- ☐ It can be loaded by command `squares = loadtxt('/home/fossee/squares.txt')` and printed by `print squares`. This prints a list of integers.
- ☐ It can be loaded by command `squares = load.txt('/home/fossee/squares.txt')` and printed by `print'squares'`. This prints a list of floating objects.

Question 16

Complete

Mark 0.00 out of 1.00

Flag question

The following function is used to integrate a system of ODEs.

Select one:

- ☐ a. odepack
- ☐ b. None of the Above
- ☐ c. odeint
- ☒ d. quad

Question 17

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following functions does exactly the opposite of `split()` function ?

Select one:

- ☒ join()
- ☐ merge()
- ☐ concat()
- ☐ None of them

Question 18

Complete

Mark 0.60 out of 1.00

Flag question

Predict the output of the following code:

```
a = ['Mary', 'had', 'a', 'little', 'lamb'];
```

```
for i in range(len(a)): ... print i, a[i];
```

```
4 Mary
3 had
2 little
1 lamb
```

Correct Output ▼

Invalid Output ▼

```
1 Mary
0 had
2 lamb
```

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```
4 lamb
3 1
1 Mary
```

Invalid Output ▼

```
Mary, had, a, little, lamb
```

Invalid Output ▼

```
0 Mary
1 had
2 a
3 little
4 lamb
```

Invalid Output ▼

Question 19

Complete

Mark 0.00 out of 1.00

Flag question

What gets printed?
`print "hello" 'world'`

Select one:

- ☐ a. on one line the text: helloworld
- ☒ b. syntax error, this python program will not run
- ☐ c. hello on one line and world on the next line
- ☐ d.

on one line the text: hello world

Question 20

Complete

Mark 1.00 out of 1.00

Flag question

Given the string `s = "Hello"`, we wish to change it to `'hello'`. what is the result of `s[0] = 'h'` ?

Select one:

- ☐ a. s changes to 'hello'
- ☐ b. s remains unchanged
- ☒ c. Error--'str' object does not support item assignment.
- ☐ d. Depends on the version of Python being used.

Finish review

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PYTP001