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## Python for Everybody - A Review

Latest Submission Grade 100%

1. What is the most common Unicode encoding when moving data between systems?

1 / 1 point

- ☐ UTF-64
- ☒ UTF-8
- ☐ UTF-32
- ☐ UTF-16
- ☐ UTF-128

✔ Correct

2. What is the decimal (Base-10) numeric value for the upper case letter "G" in the ASCII character set?

1 / 1 point

- ☐ 17
- ☐ 1771
- ☐ 7
- ☐ 2048
- ☒ 71

✔ Correct

3. What word does the following sequence of numbers represent in ASCII:

1 / 1 point

108, 105, 115, 116

- ☐ lost
- ☐ open
- ☒ list

- ☐ EBCDIC
- ☐ UTF-16
- ☐ Latin
- ☐ ASCII
- ☒ Unicode

✓ Correct

5. When reading data across the network (i.e. from a URL) in Python 3, what method must be used to convert it to the internal format used by strings?

1 / 1 point

- ☐ convert()
- ☒ decode()
- ☐ encode()
- ☐ msub()
- ☐ more()

✓ Correct

6. Which of the following lines will never print out regardless of the value of "x"?

1 / 1 point

```
1 if x < 2 :  
2     print("Below 2")  
3 elif x < 0 :  
4     print("Negative")  
5 else :  
6     print("Something else")
```

- ☐ Below 2
- ☐ Something else

- ☐ Below 2
- ☐ Something else
- ☐ All the lines will print out
- ☒ Negative

✓ Correct

7. Which of the following lines will never print out regardless of the value for x?

1 / 1 point

```
1 if x < 2 :  
2     print("Below 2")  
3 elif x < 20 :  
4     print("Below 20")  
5 elif x < 10 :  
6     print("Below 10")  
7 else :  
8     print("Something else")
```

- ☒ Below 10
- ☐ Below 20
- ☐ Something else
- ☐ Below 2

✓ Correct

8. What would the following Python code sequence print out?

1 / 1 point

```
1 zap = "hello there bob"  
2 print(zap[4])
```

- ☐ zap
- ☐ l

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- ☐ zap
- ☐ l
- ☒ o
- ☐ You would get an out-of-range error and the program would fail
- ☐ e
- ☐ hello

 Correct

9. Which of the following lines of Python code contains a syntax error?

1 / 1 point

```
1 x = 12
2 if x < 5:
3     print("smaller")
4 else:
5     print("bigger")
6     print("all done")
```

3

 Correct

10. What will the following Python program print out?

1 / 1 point

```
1 def fred():
2     print("Zap")
3
4 def jane():
5     print("ABC")
6
7 jane()
8 fred()
9
```

```

1 def fred():
2     print("Zap")
3
4 def jane():
5     print("ABC")
6
7 jane()
8 fred()
9 jane()
    
```

- ☒ ABC Zap ABC
- ☐ Zap ABC jane fred jane
- ☐ Zap Zap Zap
- ☐ Zap ABC Zap
- ☐ ABC Zap jane

✓ Correct

11. Where in the computer is a variable such as "X" stored?

1/1 point

```

1 x = 123
    
```

- ☐ Input Devices
- ☐ Secondary Memory
- ☐ Output Devices
- ☐ Central processing unit
- ☒ Main Memory

✓ Correct

12. What is the primary use of the Python dictionary?

1/1 point

- ☐ To insure that all Python reserved words are properly spelled
- ☒ To store key / value pairs

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- ☐ To make sure that the definitions of the Python reserved words are available in different languages (French, Spanish, etc)
- ☐ To look up all of the methods which are available on a Python object

✓ Correct

13. What does the following Python code print out?

1 / 1 point

```
1 stuff = ['joseph', 'sally', 'walter', 'tim']
2 print(stuff[2])
```

- ☐ joseph
- ☐ tim
- ☒ walter
- ☐ sally

✓ Correct

14. What will the following Python program print out? (This is a bit tricky so look carefully).

1 / 1 point

```
1 def hello():
2     print("Hello")
3     print("There")
4
5 x = 10
6 x = x + 1
```

- ☒ Nothing will print
- ☐ 11
- ☐ Hello
- ☐ There
- ☐ 11
- ☐ ... 11

✓ Correct

16. What will the following Python program print out?

1 / 1 point

```
1 total = 0
2 for abc in range(5):
3     total = total + abc
4 print(total)
```

- ☐ 5
- ☐ 6
- ☐ 4
- ☐ 16
- ☒ 10

✓ Correct

17. The following Python code causes a traceback:

1 / 1 point

```
1 a = "123"
2 b = 456
3 c = a + b
4 print(c)
```

Which line fails with a traceback?

- ☒ 3
- ☐ 1
- ☐ 2
- ☐ 4

✓ Correct

18. In the following example, an error occurs in "line3" that normally causes a traceback if it were not in a try/except.

1 / 1 point

✓ Correct

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1 / 1 point



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1 / 1 point

```

1 line1
2 try:
3     line2
4     line3
5     line4
6 except:
7     line5
8 line6
    
```

What is the sequence of lines executed in this program?

- ☐ line1, line2, line3, line6
- ☒ line1, line2, line3, line5, line6
- ☐ line1, line5, line6
- ☐ line1, line4, line5, line6
- ☐ line1, line2, line3, line4, line5, line6

✓ Correct

19. What would the following Python code print out?

1 / 1 point

```

1 abc = "With three words"
2 stuff = abc.split()
3 print(stuff)
    
```

- ☐ ['With the', 'ee words']
- ☒ ['With', 'three', 'words']
- ☐ ['w', 't', 'h']
- ☐ ['With three words']
- ☐ ['With', 'three words']

✓ Correct

20. What would the following Python code print out?

1 / 1 point

```

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3 print(stuff)
    
```

- ☐ Opening a socket will never fail, while opening a file can fail
- ☐ The socket does not read all of the data when it is opened

✓ Correct

24. In the following XML, what is "type"?

1 / 1 point

```
1 <person>
2   <name>Chuck</name>
3   <phone type="intl">
4     +1 734 303 4456
5   </phone>
6   <email hide="yes" />
7 </person>
```

- ☐ XML syntax error
- ☐ Complex element
- ☒ An attribute
- ☐ Value
- ☐ Tag
- ☐ Simple element

✓ Correct

25. Which programming language serves as the basis for the JSON syntax?

1 / 1 point

- ☒ JavaScript
- ☐ Python
- ☐ Java
- ☐ PHP
- ☐ SCALA

✓ Correct