

## WOSO 2016 Schoolcraft Tournament - SOURCE CODE

1. Which of the following is a storage device?
  - a. Hard Disk
  - b. USB Disk
  - c. Floppy Disk
  - d. All of the above**
2. Which of the following is a presentation program?
  - a. Microsoft Word
  - b. Microsoft Excel
  - c. Microsoft Powerpoint**
  - d. Microsoft Access
3. The cloud computer allows you to \_\_\_\_\_
  - a) Access your email from any computer with an Internet connection
  - b) Automatically back up your data
  - c) Easily bring your files with you
  - d) Do all of the above**
4. Which part is the "brain" of the computer?
  - a) Monitor
  - b) RAM
  - c) CPU**
  - d) ROM
5. Which of the following expression is called for an user input?
  - a. for
  - b. input**
  - c. read
  - d. none of the above
6. Approximately how many bytes make one Megabyte
  - a. One Thousand
  - b. Ten Thousand
  - c. One Hundred
  - d. One Million**
7. The capacity of your hard drive is measured in
  - a. MHz
  - b. Mbps
  - c. Gigabytes**
  - d. 52X
8. Which of the following is not an input device?
  - a. Monitor**
  - b. Keyboard
  - c. Joystick
  - d. Microphone
9. Which of the following is not an output device?
  - a. Monitor
  - b. Keyboard**

- c. Printer
  - d. Speakers
10. What does RAM stand for?
- a. Remote Authorization Mechanism
  - b. Readily Accessed Mailer
  - c. **Random Access Memory**
  - d. Random Authorization Mechanism
11. Physical components that make up your computer are known as:
- a. Software
  - b. Operating Systems
  - c. Web Browsers
  - d. **Hardware**
12. Which of the following companies is famous for manufacturing computer processors?
- a. Sony
  - b. Macromedia
  - c. Corel
  - d. **Intel**
13. Which of the following will you require to hear music on your computer?
- a. Video Card
  - b. Mouse
  - c. **Sound Card**
  - d. Joy Stick
14. SQL means:
- a. Sequential Query Language
  - b. **Structured Query Language**
  - c. Source Query Language
  - d. Sun Query Language
15. What does the following code do?
- ```
def a(b, c, d): pass
```
- a. Defines a list and initializes it
  - b. **Defines a function, which does nothing**
  - c. Defines a function, which passes its parameter through
  - d. Defines empty class
16. What gets printed? Assuming python 2.x
- ```
print type(1/2)
```
- a. **<type 'int'>**
  - b. <type 'number'>
  - c. <type 'float'>
  - d. <type 'double'>
  - e. <type 'tuple'>
17. What is the output of the below program?
- ```
a=[1,2,3,None,(),[],]
print len(a)
```
- a. Syntax Error

- b. 4
- c. 5
- d. 6**
- e. 7

18. What is the output of the below program?

```
x=4.5
y=2
print x//y
```

- a. 2.0**
- b. 2.25
- c. 9.0
- d. 20.25
- e. 21

19. What is the output of the below program?

```
nums = set([1,1,2,3,3,3,4])
print len(nums)
```

- a. 1
- b. 2
- c. 4**
- d. 5
- e. 7

20. What is the output of the below program?

```
x=True
y=False
z=False

if x or y and z:
    print "Yes"
else:
    print "No"
```

- a. Yes**
- b. No
- c. Compile Error

21. What is the output of the below program?

```
print "hello" 'world'
```

- a. one line text: hello world
- b. one line text: helloworld**
- c. hello on one line and world on next line
- d. syntax error

22. What is the output of the below program?

```
counter = 1
def doLotsOfStuff():
    global counter
    for i in (1, 2, 3):
        counter += 1
doLotsOfStuff()
print counter
```

- a. 1

- b. 3
- c. 4**
- d. 7
- e. none of the above

23. What is the output of the below program?

```
for i in range(2):  
    print i  
  
for i in range(4,6):  
    print i
```

- a. 2,4,6
- b. 0,1,2,4,5,6
- c. 0,1,4,5**
- d. 0,1,4,5,6,7,8,9
- e. 1,2,4,5,6

24. What will be the value of x?

```
colors = ['Red', 'Black', 'White', 'Green']  
x = colors.index("White")  
print(x)
```

- a. 2**
- b. 1
- c. 3
- d. 4

25. What will be the output of the following code?

```
x = 12  
y = 18  
x = y  
print(x,y)
```

- a. 12 12
- b. 12 18
- c. 18 12
- d. 18 18**

26. What will be the output of the following code?

```
x = 1  
print(+++x)
```

- a. 3
- b. 1**
- c. 2
- d. 4

27. What will be the output of the following code?

```
x = 0  
for y in range(0,5):  
    x += y  
print(x)
```

- a. 10**
- b. 5

- c. 15
- d. 20

28. What will be the output of the following code?

```
x = sum(range(3))  
print(x)
```

- a. **3**
  - b. 2
  - c. 6
  - d. 8
29. Which of the following is an exponent operator?
- a. \$
  - b. **\*\***
  - c. ^
  - d. %
30. What is the value of "26%7" ?
- a. 6
  - b. **5**
  - c. 3.7
  - d. 7
31. What is the correct way of printing "T" in the string "PYTHON"?
- a. **Print "PYTHON"[2]**
  - b. Print "PYTHON"[3]
  - c. Print "PYTHON"(2)
  - d. Print "PYTHON"(3)
32. What is the correct way to change the string "python" to have all uppercase letters?
- a. "python".uppercase()
  - b. **"python".upper()**
  - c. "python".toUpper()
  - d. "python".convertUpper()
33. What is a correct way of printing the following "I'm a string"?
- a. print I'm a string
  - b. print 'I'm a string
  - c. print "I'm a string'
  - d. **print "I'm a string"**
34. Which of the following is false?
- a.  $5*5 > 4+3$
  - b.  $4*9 \geq 3*13$
  - c.  **$6-5 < 3-6$**
  - d.  $42 \geq 4*10$
35. Which of the following is false?
- a.  $5-3 \geq 9\%3$
  - b.  $3**2 \leq 4*4-5$
  - c.  $6 \leq 20\%14$
  - d.  **$-10 \geq 5*2$**

36. What are functions?
- a. Code that can be used once in the application
  - b. Reusable pieces of code that can be called on throughout the application**
  - c. A special type of variable
  - d. Indefinite arrays
37. What does  $\min(343, 74, 334, 93)$  equal to?
- a. 334
  - b. 93
  - c. 74**
  - d. 343
38. What does  $\max(2, 3.5, -8, 0)$  equal to?
- a. 0
  - b. 2
  - c. 3.5**
  - d. -8
39. What does  $\min(1, -4, 12) - \max(3, 5, -6, 4)$  equal to?
- a. -17
  - b. -9**
  - c. 2
  - d. 7
40. What is the value of  $(\min(2, 13, 3, 7)) * \max(2, -34, 4) - \text{abs}(-3)$
- a. 8
  - b. 9
  - c. 5**
  - d. 11