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**QUESTION 1**

Which of the following import statements will add the ability to parse data with regular expressions to your script?

- A. from regex import re
- B. import re
- C. from re import regex
- D. import regex

Correct Answer: B

QUESTION 2

Review the following code.

```
import struct

a = "\x01\x00"

struct.unpack("<H",a)
```

What is the output?

- A. (1,0)
- B. (1,)
- C. (256,)
- D. (\x01#\x00)

Correct Answer: C

QUESTION 3

Which of the following will be the value of the variable y?

```
>>> x = {'a': [1, 2, [3,4]], 'b': [[5, 6], 7]}
>>> y = x ['b'] [0] [1]
```

- A. 7



B. y has no value. The following error occurred: IndexError: list index out of range

C. 6

D. y has no value. The following error occurred: KeyError: '\\b\\'

Correct Answer: C

QUESTION 4

What is the output of the ls(TCP) function?

A. It lists all of the TCP port numbers in a TCP stream

B. It lists all of the packets that have a TCP layer

C. It lists the contents of the TCP layer

D. It lists all of the fields associated with the TCP layer

Correct Answer: A

QUESTION 5

How many bytes are used to store a 16 bit Unicode character?

A. 3

B. 4

C. 2

D. 1

Correct Answer: C

QUESTION 6

What will be the value of the i variable when the while loop finishes its execution
`0 i = 0 while i != 0: 1 = 1-1 else: i = i + 1`

A. 1

B. 0

C. 2

D. the variable becomes unavailable

Correct Answer: A



QUESTION 7

Which python regular expression method should be used to match any character in a-z, 0

- A. \w
- B. Greedy matching
- C. A custom character set
- D. \w

Correct Answer: D

QUESTION 8

Variable "traffic" contains a Scapy packet list. A programmer runs the following command:

```
p1=traffic [1]
```

Which of the following describes the contents of pi, with respect to the "traffic" packet list?

- A. All Ethernet layer frames
- B. The contents of the second packet
- C. TCP streams with a session ID of 1
- D. The data stored from the first byte onward

Correct Answer: A

QUESTION 9

What would be the string resulting from the following command, considering the string variable "gpyc"?

```
gpyc="Python is a powerful language"
```

```
gpyc[:20][:11:-1]
```

P	y	t	h	o	n			i	s			a			p	o	w	e	r	f	u	l			l	a	n	g	u	a	g	e	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					
-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1					

- A. nohtyP



- B. powerful
- C. egaugnal lufrewop
- D. lufrewop
- E. powerful python

Correct Answer: D

QUESTION 10

What will the last value of V be when Python executes the following control loop?

```
for x in range(4, 20, 2):  
  
    print(x)
```

- A. 4
- B. 20
- C. 2
- D. 18

Correct Answer: D

QUESTION 11

When the following program "question.py" is executed with Python what is the output?

```
$ cat question.py  
def i(i):  
    i=5  
    return i  
  
i=i(10)  
print(i)  
  
$ python question.py
```

- A. 10
- B. 5



C. FunctionOverride: function i assigned not called

D. Function i at 0xb7489764>

Correct Answer: B

i = I (10)

it should be i = i (10)

QUESTION 12

A gif file has the following attributes:

Extension: .gif

Magic value for start of file: \x47\x49\x46

Magic value for end of file: \x3b

A small data file called "raw_data" contains one gif.

Which of the following statements is most likely to successfully extract the file?

A. `re.findall(r'\.gif',raw_data)[0]`

B. `re.match(r'\\.gif')"\',raw_data).group(1)`

C. `re.search('\\x47\x49\x46(\\)\x3b\\',raw_data)`

D. `re.findall(r'\\x47\x49\x46.\-x3b,,raw_data,re.DOTALL)[0]`

Correct Answer: D

QUESTION 13

During a password guessing attack, which HTTP request method would a Python program most commonly call to submit a username and password to a target website?

A. OPTIONS

B. POST

C. CONNECT

Correct Answer: B

QUESTION 14



Examine the code snippet below. What will be the contents of the variable T during the loops first iteration?

```
phrase = "Python is a powerful language".split()
for i in phrase:
    T = i
```

- A. is
- B. 1
- C. 0
- D. Python

Correct Answer: C

QUESTION 15

Third-party Python modules like Scapy and BeautifulSoup are used for what purpose?

- A. Generating a compiled executable
- B. Parsing and interacting with network traffic
- C. Debugging Python programs
- D. Obfuscating code

Correct Answer: B

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