

d1--1---1---1---2- ANSWERS

QUESTION 1

1 What will be the output of the following code snippet?

```
def func(a, b):    return b if a == 0 else  
func(b % a, a) print(func(30, 75))
```

ANSWER 1 = 15

QUESTION 2

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22) sorted_numbers =  
sorted(numbers) even = lambda a: a % 2 == 0 even_numbers =  
filter(even, sorted_numbers) print(type(even_numbers))
```

ANSWER 2 = LIST

QUESTION 3

3) As what datatype are the *args stored, when passed into)

ANSWER 3 =TUPLE

QUESTION 4

```
4)      set1 = {14, 3, 55} set2 = {82, 49,  
62} set3={99,22,17} print(len(set1 + set2  
+ set3))
```

ANSWER 4 =270

QUESTION 5

5) What keyword is used in Python to raise exceptions?

ANSWER 5 =RAISE

QUESTION 6

) Which of the following modules need to be imported to handle date time computations in Python?

ANSWER 6 =DATETIME

QUESTION 7

7) What will be the output of the following code snippet?

```
print(4**3 + (7 + 5)**(1 + 1))
```

ANSWER 7 =208

QUESTION 8

Which of the following functions converts date to corresponding time in Python?

ANSWER 8 =STRFTIME

QUESTION 9

The python tuple is _____ in nature.

ANSWER 9 =IMMUTABLE

QUESTION 10

The ____ is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.

ANSWER 10 =RANGE()

QUESTION 11

Amongst which of the following is a function which does not have any name?

ANSWER 11 =lambda function

QUESTION 12

The module Pickle is used to ____.

- A. Serializing Python object structure
- B. De-serializing Python object structure
- C. Both A and B
- D. None of the mentioned above

ANSWER 12 =BOTH A AND B

QUESTION 13

Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

ANSWER 13 =DUMP() METHOD

QUESTION 14

Amongst which of the following is / are the method used to unpickling data from a binary file?

ANSWER 14 =load()

QUESTION 15

A text file contains only textual information consisting of ____.

- A. Alphabets
- B. Numbers
- C. Special symbols
- d. All of the mentioned above

ANSWER 15 =ALL of the mentioned above

QUESTION 16

Which Python code could replace the ellipsis (...) below to get the following output? (Select all that apply.) captains = {

```
"Enterprise": "Picard",  
"Voyager": "Janeway",  
"Defiant": "Sisko", }
```

Enterprise Picard,

Voyager Janeway

Defiant Sisko

a) for ship, captain in captains.items():

print(ship, captain)

b) for ship in captains:

print(ship, captains[ship])

c) for ship in captains:

print(ship, captains)

d) both a and b

ANSWER 16 =both a and b

QUESTION 17

Which of the following lines of code will create an empty dictionary named `captains` ?

ANSWER 17 =`captains = {}`

QUESTION 18

Now you have your empty dictionary named `captains`. It's time to add some data!

Specifically, you want to add the key-value pairs `"Enterprise": "Picard"`, `"Voyager": "Janeway"`, and `"Defiant": "Sisko"`.

Which of the following code snippets will successfully add these key-value pairs to the existing `captains` dictionary?

ANSWER 18 = `captains["Enterprise"] = "Picard"`

`captains["Voyager"] = "Janeway"` `captains["Defiant"] =`
`"Sisko"`

QUESTION 19

19 You're really building out the Federation Starfleet now! Here's what you have: `captains = {`

```
"Enterprise": "Picard",
```

```
"Voyager": "Janeway",
```

```
"Defiant": "Sisko",
```

```
"Discovery": "unknown",
```

`}`Now, say you want to display the ship and captain names contained in the dictionary, but you also want to provide some additional context. How could you do it?

a) ANSWER 19 = for ship, captain in `captains.items()`:

```
print(f"The {ship} is captained by {captain}.")
```

QUESTION 20

You've created a dictionary, added data, checked for the existence of keys, and iterated over it with a for loop. Now you're ready to delete a key from this dictionary:

```
captains = {
```

```
"Enterprise": "Picard",
```

```
"Voyager": "Janeway",
```

```
"Defiant": "Sisko",
```

```
"Discovery": "unknown",  
}
```

What statement will remove the entry for the "Discovery" key ?

ANSWER 20 = del captains["Discovery"]