MCQ

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))
```

Ans: **15**

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))

Ans: **Filter**

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

Ans: **Tuple**

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

Ans: **Error**

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

Ans: **Raise**

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

Ans: **Datetime**

7. What will be the output of the following code snippet?
       print(4**3 + (7 + 5)**(1 + 1))

Ans: **208**

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

Ans: **Strptime**

9. The python tuple is _____ in nature.

Ans: **Immutable**

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.

Ans: **range()**

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

Ans: **Lambda function**

12. The module Pickle is used to ___.

Ans: **Serializing Python object structure**

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

Ans: **dump() method**

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

Ans: **load()**

15. A text file contains only textual information consisting of ___.

Ans: **Special symbols**

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

Ans: **For ship, captain in captains.items(): print(ship, captain)**

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

Ans: **captains.dict()**

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".

Ans: **captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"**

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?

Ans: **for ship, captain in captains.items():**

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

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", }

Ans**: del captains["Discovery"]**