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))
```

Output :   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))

Output :   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))

Output : 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))

Output : 208

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

Ans : strptime

9) The python tuple is _____in nature.

Immu

table

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()

Question 11

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

> **Ans** : Lambda function

Question 12

The module Pickle is used to ___ .

    A. Serializing Python object structure
    B. De-serializing Python object structure

> **Ans :** 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?

> **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 ___.

   A. Alphabets
   B. Numbers
   C. Special symbols

   Ans : All of the mentioned above

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])

        Ans : both a and b

17)

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

        Ans : captains = {}

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?

Ans :   captains = {

"Enterprise": "Picard",

"Voyager": "Janeway",

"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 captain, ship 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",

}

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

Ans :   del captains["Discovery"]