

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 = Dictionary

```
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

=immutab

10) 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 ____.

Ans = Serializing Python object structure

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

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 = 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
```

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 = {}`

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 = None of the above`

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 item 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 = captains["Discovery"].pop()
```