

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))
```

Answer is option c)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))

Answer is option b)Filter

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

Answer is option a) Tuple

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

Answer is option d)Error

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

Answer is option a) raise

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

Answer is option c)datetime

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

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

Answer is option c)208

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

Answer is option d)None

9) The python tuple is _____ in nature.

Answer is option b)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.

Answer is option a)range()

Question 11

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

Answer is option c)Lambda function

Question 12

The module Pickle is used to ____.

Answer is option c)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 is option b)dump() method and c)load() method

14

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

Answer is option d)None of the mentioned above

15.

A text file contains only textual information consisting of ____.

Answer is option d) 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
```

Answer is option both a and b

17)

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

Answer is option d) `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?

Answer is option b)`captains["Enterprise"] = "Picard"` `captains["Voyager"] = "Janeway"`
`captains["Defiant"] = "Sisko"` and c)`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?

Answer is option d)**All are correct**

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 is option a)del captains