

## 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**

**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**

**b) filter**

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

**ANSWER**

**b) filter**

**4) set1 = {14, 3, 55}**

**set2 = {82, 49, 62}**

**set3={99,22,17}**

**print(len(set1 + set2 + set3))**

**ANSWER**

**d) Error**

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

**ANSWER**

a) raise

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

**ANSWER**

c) datetime

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

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

**ANSWER**

**c) 208**

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

**ANSWER**

a) strptime

**9) The python tuple is\_\_\_\_\_in nature.**

**ANSWER**

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**

A. range()

**Question 11**

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

**ANSWER**

c) Lambda function

**12 The module Pickle is used to\_\_\_\_\_.**

**ANSWER**

C) Both A and B

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

**ANSWER**

D) None of the mentioned above

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

**ANSWER**

D) None of the mentioned above

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

**ANSWER**

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 Sisk
```

**ANSWER**

D) both a and b

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

**ANSWER**

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**

```
B) 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?

## ANSWER

B) 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",  
}
```

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

## ANSWER

C) del captains["Discovery"]