

## **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-a) Tuple

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?

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()

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

Answer-D) None of the mentioned above

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-B. dump() method

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

Answer-A. load()

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 Sisko
```

Answer-c) for ship in captains:

```
    print(ship, captains)
```

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- 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- 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 key "Discovery"?

Answer- d) captains["Discovery"].pop()