

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?

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

Answer- c) 208

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

Answer- d) None

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-

A. Lambda function

12) The module Pickle is used to ____.

Answer-

A. 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-

a) 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"]