

PFA_FILE_1 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 = (4,7,19,89,45,72,22)

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 :- Tuple.

4. 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 :- 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 ?

ANS :- range().

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

ANS :- None of the mentioned above.

12. The module Pickle is used to ____?

ANS :- 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 ?

ANS :- dump() method.

14. 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 ?

ANS :- both a and b.

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 :- `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 ?

ANS :- `for captain, ship 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 ?

ANS :- `del captains["Discovery"]`.