

Q 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 :- (C) 15

Q 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))
```

Ans :- (B) Filter

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

Ans :- (A) Tuple

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

set2 = {82, 49, 62}

set3={99,22,17}

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

Ans :- (D) Error

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

Ans :- (A) Raise

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

Ans :- (A) timedate

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

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

Ans :- (C) 208

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

Ans :- (A) strptime

Q 9) The python tuple is \_\_\_\_\_ in nature.

Ans :- (B) Immutable

Q 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 :- (A) range

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

Ans :- (C) Lambda function

Q 12) The module Pickle is used to \_\_\_\_.

Ans :- (C) Both A and B

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

Ans :- (B) dump() method

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

Ans :- (A) Load()

Q 15) A text file contains only textual information consisting of \_\_\_\_.

Ans :- (D) All of the mentioned Above

Q 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
```

Ans :- (D) Both A and B

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

Ans :- (C) captains=dict()

Q 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 :- (C) captains = {  
    "Enterprise": "Picard",  
    "Voyager": "Janeway",  
    "Defiant": "Sisko",  
}
```

Q 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 :- (D) All are correct

Q 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"?

Ans :- (C) `del captains["Discovery"]`