

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, 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:- Filter

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

Ans:- Tuples

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:- try

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:- strftime

9) The python tuple is _____ in nature.

Ans:- unchangeable

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()

Question 11

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

Ans:- None of the mentioned above

Question 12

The module Pickle is used to ____.

Ans:- Both A and B

Question 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:- set() method

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.)

```
captains = {  
    "Enterprise": "Picard",  
    "Voyager": "Janeway",  
    "Defiant": "Sisko",  
}
```

```
Enterprise Picard,
```

```
Voyager Janeway
```

```
Defiant Sisko
```

Ans:- both a and b

17)

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

Ans:- `captains=dict()`

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 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"?

Ans:- `del captains["Discovery"]`