

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

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

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

Ans- a) Tuple

4. set1 = {14, 3, 55}

```
set2 = {82, 49, 62}  
set3={99,22,17}  
print(len(set1 + set2 + set3))
```

Ans - d) Error

5. What keyword is used in Python to raise exceptions?

Ans- a) raise

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

Ans – c) datetime

7. What will be the output of the following code snippet?

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

Ans – c) 208

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

Ans – b) strftime

9. The python tuple is _____ in nature.

Ans – 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.

Ans – a) range()

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

Ans – c) lambda function

12. The module Pickle is used to ____.

Ans - 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?

Ans- b) dump()method

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

Ans - d) None of the mentioned above

15. A text file contains only textual information consisting of ____.

Ans - d) All of the mentioned above

16. Which Python code could replace the ellipsis (...) below to get the following output? (Select all that apply.)

Ans –

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

Ans - 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?

Ans – 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

Ans -)

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", }
```

Ans - c) `del captains['Discovery']`