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 is 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 is b-Filter

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

Answer is d) none

4) set1 = {14, 3, 55} **set2 = {82, 49, 62} set3={99,22,17} print(len(set1 + set2 + set3))**

Answer is d-error

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

Answer is 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(43 + (7 + 5)**(1 + 1))**

Answer is c- 208

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

Answer-a) strptime

9) The python tuple is _____ in nature.

Answer is 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 is- A. range()

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

Answer is D. None of the mentioned above

Question 12. The module Pickle is used to ___.

Answer is-C. 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?

Answer is- B. dump() method

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

Answer is- A. load()

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

Answer is- 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 is -b) for ship in captains: print(ship, captains[ship])

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

Answer is -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".

Answer is -c) 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", }

Answer is- c) 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:

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

What statement will remove the entry for the key "Discovery"?

Answer is -c) del captains["Discovery"]