1 What will be the output of the following code snippet?

```python
def func(a, b):
    return b if a == 0 else func(b % a,a)
print(func(30,75))
```

Answer: C) 15

2 numbers = (4, 7, 19, 2, 89, 45, 72, 22)

```python
sorted_numbers = sorted(numbers)
even = lambda a: a % 2 == 0
even_numbers = filter(even, sorted_numbers)
print(type(even_numbers))
```

Answer : B) <class 'filter'>

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

Answer: a) Tuple

4 set1 = {14, 3, 55}

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

Answer : d) Error

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

Answer : 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(4**3 + (7 + 5)**(1 + 1))

Answer: 208

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

Answer   : None

9)The python tuple is _____ in nature.

 Answer: 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: range ()

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

Answer   : Lambda function

12)The module Pickle is used to ____.

Answer: 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?

Answer: dump() method

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

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

Answer: 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",

}

Answer: 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 : d) captains = {}

18) Now you have your empty dictionary named . 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 dictionary?

Answer : b) 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?

Answer : b) 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",
}

Answer : c) del captains["Discovery"]