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- d) 0

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- a) strptime

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()

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

Question 12
The module Pickle is used to ___.
Ans 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?
Ans B. dump() method

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

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.)
captains = {
"Enterprise": "Picard",
"Voyager": "Janeway",
"Defiant": "Sisko",
}
Enterprise Picard,
Voyager Janeway
Defiant Sisko
Ans- c) for ship in captains:

print(ship, captains)

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- 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",
}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

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"]