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 :- 15


```
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 :- Filter

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

 a) Tuple

b) List

c) Dictionary

 d) none

Answer :- Tuple


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

Answer :- Error

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

 a) raise

 b) try

c) goto d) except

Answer :- Raise

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

a) timedate

b) date

c) datetime

d) time

Answer: - c) datetime

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

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

a) 248

 b) 169

c) 208

d) 233

Answer:- 208

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

 a) strptime

 b) strftime

c) both

a) and b) d)

None

Answer:- strftime

9) The python tuple is _____ in nature.

 a) mutable

b) immutable

c) unchangeable

d) none

Answer:- immutable

10) The range() is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.

A. range()

B. set()

C. dictionary{}

D. None of the mentioned above

Answer :- range()

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

A. Del function

B. Show function

C. Lambda function

D. None of the mentioned above

Answer :- Lambda function

12) The module Pickle is used to C. Both A and B

. A. Serializing Python object structure

 B. De-serializing Python object structure

C. Both A and B

D. None of the mentioned above

Answer:- 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?

A. set() method

B. dump() method

C. load() method

D. None of the mentioned above

Answer :- dump() method

A text file contains only textual information consisting of ___.

A. Alphabets

B. Numbers

C. Special symbols

D. All of the mentioned above

Answer :- 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

   a) for ship, captain in captains.items():
       print(ship, captain)
   b) b) for ship in captains:
        print(ship, captains[ship])
   c) for ship in captains:

print(ship, captains)
d) both a and b

Answer :- Not understand this question unable to solve (Please teach me about this question)

17) Which of the following lines of code will create an empty dictionary named captains?
a) captains = {dict}
 b) type(captains)
c) captains.dict()
 d) captains = {}

Answer :- a) Captains ={}

18) Now you have your empty dictionary named captains. It's time to add some data!

Answer :- b) captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"

18) Now you have your empty dictionary named captains. It's time to add some data!

Answer :- 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:

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:

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