

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:- 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:- c list

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 :- d 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:- D. None of the mentioned above

Question 12 The module Pickle is used to \_\_\_\_.

Ans:- A. Serializing Python object structure

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:- d) both a and b

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

Ans:- c) captains.dict()

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:- 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", }

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