

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 – List

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

Ans -Tuple

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

ANS- 105

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

ANS – raise

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

ANS -datetime

7)What will be the output of the following code snippet? print(4**3 + (7 + 5)**(1 + 1))

Ans -208

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

Ans – 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()

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

Ans- C. Lambda function.

12. The module Pickle is used to ____.

Ans-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?

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 both a and b

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

Ans - 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

Ans-None of the above

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-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:

Ans -del captains["Discovery"]