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

Ans: c)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: 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(43 + (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()

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.)
Ans: d) both a and b

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: 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: 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",
}
What statement will remove the entry for the key "Discovery"?
Ans: c) del captains["Discovery"]