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 : 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))

Answer : a) int

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

Answer : a) Tuple

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

answer : d) Error

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

Answer : a) raise

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

Answer : c) datetime

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

Answer : c) 208

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

Answer : a) strptime

9) The python tuple is _____ in nature.

Answer : 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.

Answer : a) range()

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

Answer : c) Lambda function

12) The module Pickle is used to ___.

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?

Answer : b) dump() method

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

Answer : a) load()

15. A text file contains only textual information consisting of ___.

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

Answer : c) for ship in captains:
            Print(ship, captains)

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

Answer : 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?

Answer : 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?

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:
captains = {
     "Enterprise":
     "Picard", "Voyager":
     "Janeway", "Defiant":
     "Sisko", "Discovery":
     "unknown",
     }
 What statement will remove the entry for the key "Discovery"?

Answer : c) del captains["Discovery"]