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 Filter

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 Error

5) What keyword is used in Python to raise exceptions? a) raise b) try c) goto d) except

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?

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 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= 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

Ans Lambda

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

Ans 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 dump() method

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

Ans load() method

15 A text file contains only textual information consisting of \_\_\_.

Ans All of the 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) for ship in captains: print(ship, captains[ship]) c) for ship in captains: print(ship, captains) d) both a and b

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 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"]