1. def fun(a, b):

if a == 0:

return b

else:

return fun(b % a, a)

print(fun(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- (b)Filter

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( set 1,set 2 and set 3 combined with union fun ( ) then use len

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

Answer-(d) Except

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- (D) None

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- d) both a and b

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-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?

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"]

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

Answer- ( A.) load()