Internship

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-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

**print(len(set1 + set2 + set3))**

**a) 105**

**b) 270**

**c) 0**

**d) Error**

**print(len(set1 + set2 + set3))**

**Ans-d)Error**

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

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(4\*\*3 + (7 + 5)\*\*(1 + 1))**

**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()

**Question 11**

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

**Ans-**C. Lambda function

Question 12

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

**Ans-**C. Both A and B

Question 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

Question 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-d) both a and b

**17)**

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

Ans-a) captains = {dict}

**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-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?

Ans-d) All are correct

**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-a) del captains