# MCQ

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

1. 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

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

ANS-raise

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

ANS-datetime

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

# print(4\*\*3 + (7 + 5)\*\*(1 + 1)) ANS 248

1. Which of the following functions converts date to corresponding time in Python?

ANS-strftime

1. The python tuple is in nature.

ANS-immutable

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()

# Question 11

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

ANS-Lambda function

Question 12

# The module Pickle is used to .

ANS-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-dump() method

14

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

ANS-load()

15.

# A text file contains only textual information consisting of .

ANS-Alphabets

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-both a and b

# 17)

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

ANS-captains = {}

1. 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-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-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-del captains["Discovery"]