MCQ

1 > def func(a, b):

   return b if a == 0 else func(b % a, a)

print(func(30, 75))

Ans- 15

2> 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> 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?

 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?

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

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?

Ans - Lambda function

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()

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

Ans - All of the mentioned (above Alphabets, Numbers, Special symbols)

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

a) for ship, captain in captains.items(): print(ship, captain)

b) for ship in captains: print(ship, captains[ship])

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 - 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 -- 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"]