MY ANSWERS :

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 : option 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 : option b) Filter

3.As what datatype are the *args stored, when passed into

Ans : option a) Tuple

4. set1 = {14, 3, 55}

set2 = {82, 49, 62}

set3={99,22,17}

print(len(set1 + set2 + set3))

Ans : option d) It will show error

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

Ans : option a) raise

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

Ans : option c) datetime

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

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

Ans : option c) 208

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

Ans : option a) strptime

9. The python tuple is _____ in nature.

Ans : option 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 : option a) range()

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

Ans : option c) Lambda function

Because its a anonymous function

12.The module Pickle is used to ___.

Ans : option c) BOTH (a) and (b)

serializing and deserializing python object structure

13. Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

Ans : option b) dump() method

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

Ans : option a) load()

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

Ans : option d) all of 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 : option d) 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 : option 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?

Ans : option 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 : option b) for ship, captain in captains.items():

```
print(f"The {ship} is captained by {captain}.")
```

Output will be:

The Enterprise is captained by Picard.

The voyager is captained by Janeway.

The Defiant is captained by Sisko.

The Discovery is captained by unknown.

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 : option c) del captains["Discovery"]