

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))
```

- a)
- b)
- c) 15
- d)

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))`

- a)
- b) Filter
- c)
- d)

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

- a) Tuple
- b)
- c)
- d)

4) `set1 = {14, 3, 55}` `set2 = {82, 49,`
`62}` `set3={99,22,17}` `print(len(set1 +`
`set2 + set3))`

- a)
- b)
- c)
- d) Error

5) What keyword is used in Python

to raise exceptions?

- a) raise
- b)
- c)
- d)

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

- a)
- b)
- c) datetime
- d)

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

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

- a)**
- b)**
- c) 208**
- d)**

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

- a)
- b) strftime
- c)
- d)

9) The python tuple is _____ in nature.

- a)
- b) Immutable
- c)
- d)

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.

- A. range()
- B.
- C.
- D.

Question 11

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

- A.
- B.
- C. Lambda function
- D.

Question 12

The module Pickle is used to ____.

- A.
- B.
- C. Both A and B
- D.

Question 13

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

- A.
- B. dump() method
- C.
- D.

14

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

- A. load()
- B.
- C.
- D.

15.

A text file contains only textual information consisting of ____.

- A.

- B.
- C.
- 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

- a)
- b)
- c)
- d) both a and b

17)

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

- a)
- b)
- c)
- 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?

- a)
- b) `captains["Enterprise"] = "Picard"` `captains["Voyager"] = "Janeway"`
`captains["Defiant"] = "Sisko"`
- c)
- d)

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?

- a)
- b) `for ship, captain in captains.items():`
`print(f"The {ship} is captained by {captain}.")`
- c)
- d)

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" ?

- a)
- b)
- c) `del captains["Discovery"]`
- d)