

**Q.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))
```

**Answer-** (c) 15

**Q. 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))
```

**Answer-** (b) Filter

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

**Answer-** (a) Tuple

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

**Answer-** (d) Error

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

**Answer-** (a) raise

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

**Answer-** (c) datetime

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

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

**Answer-** (c) 208

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

**Answer-** (a) strptime

**Q. (9)** The python tuple is \_\_\_\_\_ in nature.

**Answer-** (b)immutable

**Q.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.

**Answer-** A. range()

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

**Answer-** C. Lambda function

**Q.12)** The module Pickle is used to \_\_\_\_.

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

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

**Answer-** B. dump() method

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

**Answer-** A. load()

**Q.15)** A text file contains only textual information consisting of \_\_\_\_.

**Answer-** D. All of the mentioned above

**Q.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
```

**Answer-** (d) both a and b

**Q.17)** Which of the following lines of code will create an empty dictionary named captains?

**Answer-** (d) captains = {}

**Q. 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?

**Answer-** (c) captains = {

"Enterprise": "Picard",

"Voyager": "Janeway",

"Defiant": "Sisko",

}

**Q. 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?

**Answer-** (b) for ship, captain in captains.items():

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

**Q. 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"?

**Answer-** (c) del captains["Discovery"]