

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

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**

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

**Answer = a) Tuple**

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

**Answer = d) Error**

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

**Answer= a) raise**

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

**Answer = c) datetime**

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

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

**Answer = c) 208**

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

**Answer = b)strptime**

9. The python tuple is \_\_\_\_\_ in nature.

**Answer = 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.

**Answer= a) range()**

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

**Answer = c) lambda function**

12. The module Pickle is used to \_\_\_\_\_.

**Answer = C) 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?

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

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

**Answer = A. load()**

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

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

**16. Answer = d) both a and b**

**17. Answer = d) captains = {}**

**18 . Answer = b) captains["Enterprise"] = "Picard"**  
**captains["Voyager"] = "Janeway"**  
**captains["Defiant"] = "Sisko"**

**19. Answer = b) for ship, captain in captains.items():**  
**print(f"The {ship} is captained by {captain}.")**

**20. Answer = c) del captains["Discovery"]**