

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. **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. **B) Filter**

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

Ans. **A) Tuple**

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

Ans. **D) Error**

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

Ans. **A) Raise**

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

Ans. **C) Datetime**

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

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

Ans. **C) 208**

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

Ans. **Both A) and B)**

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

Ans. **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. **A) Range()**

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

Ans.

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

Ans. **A) Serializing 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. **C) Load() method**

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

Ans. **A) load()**

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

Ans. **D) All of the mentioned above**

16. Which Python code could replace the ellipsis (...) below to get the following output?

Ans. **D) Both a and b**

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

Ans. **D) captains={}**

18. Which of the following code snippets will successfully add these key-value pairs to the existing captains dictionary?

Ans. **C) captains = {**

```
"Enterprise": "Picard",  
"Voyager": "Janeway",  
"Defiant": "Sisko",  
}
```

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

20. What statement will remove the entry for the key "Discovery"?

Ans. **C)** `del captains["Discovery"]`