

Q1 .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

Q2. 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

Q3. As what datatype are the *args stored, when passed into

Ans; a) Tuple

**Q4 set1 = {14, 3, 55} set2 = {82, 49, 62} set3={99,22,17}
print(len(set1 + set2 + set3))**

ANS; d) Error

Q5 .What keyword is used in Python to raise exceptions?

ANS; d) except

Q6 .Which of the following modules need to be imported to handle date time computations in Python?

ANS; c) datetime

Q7. print(43 + (7 + 5)**(1 + 1))**

ANS; c) 208

Q8.– Which of the following functions converts date to corresponding time in Python?

ANS; c) both a) strptime and b) strftime

Q9. The python tuple is _____ in nature

ANS; b)immutable

Q10. 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()

Q11. Amongst which of the following is a function which does not have any name?

ANS; C. Lambda function

Q12. The module Pickle is used to ____.

ANS ; C) Both A) Serializing Python object structure and B) De-serializing Python object structure

Q13. Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

ANS; B. dump() method

Q14. Amongst which of the following is / are the method used to unpickling data from a binary file?

ANS; B. set() method

Q15. A text file contains only textual information consisting of ____

ANS; A. alphabets

Q16. 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; d) both a and b

Q17. Which of the following lines of code will create an empty dictionary named captains?

ANS; d) captains = {}

Q18. 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; A) and B) both

Q19. 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; d) All are correct

Q20. 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; c) del captains["Discovery"]

