

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))
```

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: d) except

**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: a) strptime

**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. : C. Lambda function

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

Ans: 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?**

Ans: B. dump() 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? (Select all that apply.)**

```
captains = {"Enterprise": "Picard" , "Voyager": "Janeway" , "Defiant": "Sisko" , }
```

Enterprise Picard

Voyager Janeway

Defiant Sisko

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. 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" , "Defiant": "Sisko".**

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

Ans: b) captains["Enterprise"] = "Picard"

```
captains["Voyager"] = "Janeway"
```

```
captains["Defiant"] = "Sisko"
```

**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?**

Ans: b) for ship, captain in captains.items():

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

**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"?

Ans: c) del captains["Discovery"]