

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))
```

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 exception?

Answer:- A) raise

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

Answer:- C) datetime

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

Print(43+(7+5)**(1+1))**

Answer:- C) 208

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

Answer:- A) 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

Serializing and De-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?

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. Which python code could replace the ellipsis(...) below to get the following output?(Select all that apply.)

Captions={

```
"Enterprises": "Picards",  
"Voyager": "Janeway",  
"Defiant": "Sisko",  
}
```

```
Enterprises Picards,  
Voyager Janeway  
Defiant Sisko
```

Answer:- D) Both A and B

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

Answer:- captains={}

18. Now you have empty dictionary named captains. Its's time to add some data!

Specifically, you want to add the key-value pairs "Enterprises": "Picards", "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={
 "Enterprises": "Picards",
 "Voyager": "Janeway",
 "Defiant": "Sisko",
}

19. You are really building out the Federation Starfleet now! Here's what you have:

```
Captains = {
```

```
    "Enterprises": "Picards",
```

```
    "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}.")
```

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={
```

```
    "Enterprises": "Picards",
```

```
    "Voyager": "Janeway",
```

```
    "Defiant": "Sisko",
```

```
    "Discovery": "unknown",
```

}

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

Answer:- C) del captains["Discovery"]