

Flip Robo Assignment

Batch – DS2304

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 :

Option : 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:

Option : b) Filter

- 3) As what datatype are the *args stored, when passed into

Ans:

Option : a) Tuple

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

Ans :

Option : d) Error

##

unsupported operand type(s) : 'set' and 'set'

If we want to find the length for combined 3 sets then

First we need to add 3 sets by 4 ways

- 1) Using operand |
- 2) union ()
- 3) update()
- 4) + operator – first convert it in list and then use + to add 2 list and then again convert it in set

Once all sets are combined then find length by using len , so

```
Print(len(se1|set2|set3))
```

Then answer will be 9

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

Ans :

Option : a) raise

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

Ans :

Option: c)datetime

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

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

Ans :

Option : a) 208

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

Ans:

Option : c) Both a & b

9) The python tuple is _____ in nature.

Ans :

Option : 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 :

Option : a) range ()

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

Ans :

Option : c) Lamda Function

12) The module Pickle is used to__

Ans:

Option : c) Both A & B

Serializing and deserializing 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 :

Option : b) dump()

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

Ans :

Option : A) Load()

15) A text file contains only textual information consisting of ____.

Ans:

D. All of the above

Alphabets , Numbers, Special Symbols.

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:

Option : d) Both a & b

```
# for ship, captain in captains.items():
```

```
    print(ship, captain)
```

```
# for ship in captains:
```

```
    print(ship, captains[ship])
```

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

Ans:

Option : 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", and

"Defiant": "Sisko".

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

Ans:

Option : c) captains = { "Enterprise": "Picard", "Voyager": "Janeway", "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:

Option : 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:

Option : c) `del captains["Discovery"]`