

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))
```

- a) 10
- b) 20
- c) 15
- d) 0

**Answer: C**

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

- a) Tuple
- b) List
- c) Dictionary
- d) none

**Answer: D**

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

- a) 105
- b) 270
- c) 0
- d) Error

**Answer: D**

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

- a) raise
- b) try
- c) goto
- d) except

**Answer: B**

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

- a) timedata
- b) date
- c) datetime
- d) time

**Answer: C**

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

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

- a) 248
- b) 169
- c) 208
- d) 233

**Answer: C**

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

- a) strptime
- b) strftime
- c) both a) and b)
- d) None

**Answer: A**

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

- a) Mutable
- b) Immutable
- c) Unchangeable
- d) None

**Answer: B**

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.

- A. range()
- B. set()
- C. dictionary{}
- D. None of the mentioned above

**Answer: A**

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

- A. Del function
- B. Show function
- C. Lambda function
- D. None of the mentioned above

**Answer: C**

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

- A. Serializing Python object structure
- B. De-serializing Python object structure
- C. Both A and B
- D. None of the mentioned above

**Answer: A**

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

- A. set() method
- B. dump() method
- C. load() method
- D. None of the mentioned above

**Answer: B**

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

- A. load()
- B. set() method
- C. dump() method
- D. None of the mentioned above

**Answer: A**

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

- A. Alphabets
- B. Numbers
- C. Special symbols
- D. All of the mentioned above

**Answer: D**

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

- a) captains = {dict}
- b) type(captains)
- c) captains.dict()
- d) captains = {}

**Answer: D**

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?

- a) 

```
captains{"Enterprise" = "Picard"}  
  
captains{"Voyager" = "Janeway"}  
  
captains{"Defiant" = "Sisko"}
```
- b) 

```
captains["Enterprise"] = "Picard"  
captains["Voyager"] = "Janeway"  
captains["Defiant"] = "Sisko"
```
- c) 

```
captains = {  
    "Enterprise": "Picard",  
    "Voyager": "Janeway",  
    "Defiant": "Sisko",  
}
```
- d) None of the above

**Answer: C**

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"?

- a) `del captains`
- b) `captains.remove()`
- c) `del captains["Discovery"]`
- d) `captains["Discovery"].pop()`

**Answer: D**