

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 (fun (30, 75))
```

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

ANSWER:- (A) 10

```
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))
```

- a) Int
- b) Filter
- c) List
- d) Tuple

ANSWER :- (D) TUPLE

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

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

ANSWER :- (A) TUPLE

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:- (ERROR)

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

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

ANSWER:- (A) RAISE

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) DATETIME

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) 208

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) STRPTIME

9) The python tuple is _____ in nature.

- a) mutable
- b) immutable
- c) unchangeable
- d) none

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.

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

ANSWER :- (A) RANGE()

Question 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 :- (D) NONE OF THE MENTIONED ABOVE

Question 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 :- (C) BOTH A AND B

Question 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) DUMP() METHOD

(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) LOAD()

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) ALL OF THE MENTION 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

a) for ship, captain in captains.items():

print(ship, captain)

b) for ship in captains:

print(ship, captains[ship])

c) for ship in captains:

print(ship, captains)

d) both a and b

ANSWER :- (D) BOTH A AND B

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:-(A) CAPTAINS ={DICT}

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:- (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?

a) for item in captains.items():

```
print(f"The [ship] is captained by [captain].")
```

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

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

c) for captain, ship in captains.items():

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

d) All are correct

ANSWER :- (D) ALL ARE CORRECT

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) CAPTAINS[“DISCOVERY”].POP()